IBM Tivoli Storage Manager
Version 7.1

Server Messages and Error Codes

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IBM
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About this publication

IBM® Tivoli® Storage Manager is an enterprise-wide storage management application for the network. It provides automated storage management services to multi-vendor workstations, personal computers, and local area network (LAN) file servers.

This publication contains explanations and suggested actions for messages issued by the Tivoli Storage Manager server.

Who should read this publication

The target audience for this publication is system administrators who service the IBM Tivoli Storage Manager components. In this publication, it is assumed that you have a working knowledge of the Tivoli Storage Manager server and client components.

Publications

Publications for the Tivoli Storage Manager family of products are available online. The Tivoli Storage Manager product family includes IBM Tivoli Storage FlashCopy® Manager, IBM Tivoli Storage Manager for Space Management, IBM Tivoli Storage Manager for Databases, and several other storage management products from IBM Tivoli.

To search across all publications or to download PDF versions of individual publications, go to the Tivoli Storage Manager information center at http://pic.dhe.ibm.com/infocenter/tsminfo/v7r1

You also can find the Tivoli Storage Manager product family information centers and other information centers that contain official product documentation for current and previous versions of Tivoli products at Tivoli Documentation Central. Tivoli Documentation Central is available at http://www.ibm.com/developerworks/community/wikis/home/wiki/Tivoli Documentation Central
Chapter 1. Introduction to messages

Messages, error codes, and return codes are issued by the IBM Tivoli Storage Manager server and clients.

Messages and codes can appear on the server console, the administrative client, an operator terminal, the administrative graphical user interface, the backup-archive client, or the HSM (Hierarchical Storage Management) client.

Tivoli Storage Manager provides an activity log to help the administrator track server activity and monitor the system. The activity log contains messages generated by the server, and is stored in the database. The server automatically deletes messages from the activity log after they have passed the specified retention period. Any messages sent to the server console are stored in the activity log. Examples of the types of messages stored in the activity log include:

- When client sessions start or end
- When migration starts or ends
- When backed up files are expired from server storage
- Any output generated from background processes

See the IBM Tivoli Storage Manager Administrator’s Guide for more information about activity logs.

Some messages have no explanations and are not published. The client can send statistics to the server providing information about a backup or restore. These statistics are informational messages that can be enabled or disabled to the various event logging receivers. These messages are not published.

Tivoli Storage Manager server and client messages format

Tivoli Storage Manager server and client messages consist of the following elements:

- A three-letter prefix. Messages have different prefixes to help you identify the Tivoli Storage Manager component that issues the message. Typically, all messages for a component have the same prefix. Sometimes a component issues messages with two or three different prefixes.

  For example, backup-archive clients issue messages with ANS prefix.
  Backup-archive client events that are logged to server have ANE prefix. Server common and server platform-specific messages have ANR prefix.

- A numeric message identifier.

- A one-letter severity code. The following codes indicate the severity of the action that generated the message. The severity codes and their meanings are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Severity</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Severe</td>
<td>The product or a product function cannot continue. User response is required.</td>
</tr>
<tr>
<td>E</td>
<td>Error</td>
<td>An error is encountered during processing. Processing might stop. User response might be required.</td>
</tr>
<tr>
<td>W</td>
<td>Warning</td>
<td>Processing continues, but problems might occur later as a result of the warning.</td>
</tr>
</tbody>
</table>
Code  Severity  Meaning
I  Information  Processing continues. User response is not necessary.

- Message text that is displayed on screen and written to message logs.
- Explanation, System Action, and User Response texts. These texts elaborate on the message text, and are available in the product's messages publications and in the command line help.

The following image presents a typical Tivoli Storage Manager server message.

The callouts identify each element of the message.

Server installation complete.

Explanation: The server installation procedure has completed successfully. The server is now available for normal operation.

System Action: Server completes installation processing.

User Response: None.

* I = Information
E = Error
S = Severe Error
W = Warning
K = Kernel message that originates from the hierarchical storage management (HSM) client

Message variables in the message text appear in italics.

Interpreting return code messages

Many different commands can generate the same return code. The following examples are illustrations of two different commands issued that result in the same return code; therefore, you must read the descriptive message for the command.

In these examples, two different commands yield the same return code, but they also return descriptive messages that are unique to each command. The two commands are `q event standard dddd` and `def vol cstg05 primary`. Both yield a generic message with return code:

ANS5102I: Return Code 11.

But the first command also yields a descriptive message:

ANR2034I: QUERY EVENT: No match found for this query.

And the second command also yields a unique, descriptive message:

ANRxxxx: DEFINE VOLUME: Storage pool CSTG05 is not defined.
Example one for QUERY EVENT command

TSM:SERVER1> q event standard dddd

Command issued

ANR2034I: QUERY EVENT: No match found for this query.

AN5I02I: Return code 11

(This value is explained in the descriptive message.)

Example two for DEFINE VOLUME command

TSM:SERVER1> def vol csg05 primary

Command issued

ANRxxxxx: DEFINE VOLUME: Storage pool CSTG05 is not defined.

AN5I02I: Return code 11

(This value is explained in the descriptive message.)
Chapter 2. ANE messages

ANE messages are issued by IBM Tivoli Storage Manager server. All messages with ANE prefix are client events logged to the server.

ANE messages list

IBM Tivoli Storage Manager server ANE messages are listed in ascending numerical order. All elements of the message are documented, including message ID, message text, explanation, system action, and user response.

ANE4000E  Error processing 'filespace-name': file space does not exist.

Explanation: The specified file space (domain) is incorrect or does not exist on the workstation. If the message results from the BACKUP IMAGE command with the -MODE=INCREMENTAL option, it means that you have entered the name of a raw logical volume. The MODE=INCREMENTAL option is not valid for raw logical volumes.

System action: Processing stops.
User response: Try the operation again, specifying an existing domain (drive letter or file system name). If the message resulted from improper use of the MODE=INCREMENTAL option, try the command again, omitting that option.

ANE4001E  The file space for domain 'filespace-name' could not be found on the TSM server.

Explanation: The specified file space was expected to be found on the server, but it no longer exists. It is possible that a command was issued to delete the file space from the server while the current operation was in progress.

System action: TSM processing stops.
User response: Try the operation again. If the problem recurs, check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM technical support for further assistance.

ANE4002E  Error processing 'filespace-name': volume label does not exist

Explanation: The selected drive does not have a label.

System action: TSM is unable to do the requested operation without a drive or label entered.
User response: If the drive is a floppy drive, place a disk with a volume label in it and retry the operation. If the disk is a hard drive, ensure the drive has a volume label, and retry the operation.

ANE4003E  Error processing 'filespace-name': duplicate volume label encountered

Explanation: The selected drive has a duplicate volume label. Because TSM uses the volume label to keep track of backup/archive information, it cannot back up or archive files from a drive with a duplicate volume label.

System action: TSM cannot select the drive.
User response: If the volume needs to be available to the system, exit TSM, and assign a volume label to the drive. Restart TSM and retry the operation.

ANE4004E  Error processing 'filespace namepath-namefile-name': destination file or directory is write locked

Explanation: The file or directory being restored or retrieved from the server cannot be written to because the destination is write locked. Another operation might have the file open and will not allow it to be updated.

System action: File skipped.
User response: Either determine which operation has the file write locked, or restore the file to another name or location.

ANE4005E  Error processing 'filespace namepath-namefile-name': file not found

Explanation: The file being processed for backup, archive or migrate no longer exists on the client. Another process deletes the file before it can be backed up, archived or migrated by TSM.

System action: File skipped.
User response: None.
ANE4006E  Error processing 'filespace namepath-namefile-name': directory path not found

Explanation: The operating system returned a "path not found" status when IBM Tivoli Storage Manager attempted to access the directory. You either have specified a directory that does not exist, as shown in the message (path-name), or the directory being processed no longer exists on the client because another process deleted it before it could be backed up or archived by IBM Tivoli Storage Manager.

System action: The directory is skipped, processing continues.

User response: Recheck all spelling and punctuation, particularly the placement of directory delimiters (for example, ",".). Correct the syntax if it is incorrect, then retry the operation. Ensure that the path is specified correctly and that the directory actually exists. Retry the command with the corrected path and directory name. If you cannot correct the directory name, use the Exclude option to exclude the directory from the operation.

ANE4007E  Error processing 'filespace namepath-namefile-name': access to the object is denied

Explanation: Access to the specified file or directory is denied. You tried to read from or write to a file and you do not have access permission for either the file or the directory.

System action: Processing stopped.

User response: Ensure that you specified the correct file or directory name, correct the permissions, or specify a new location.

ANE4008E  Error processing 'filespace namepath-namefile-name': file is temporarily unavailable

Explanation: File is temporarily unavailable.

System action: File skipped.

User response: Check and see if file is locked by other process. If not, retry the command.

ANE4009E  Error processing 'filespace namepath-namefile-name': disk full condition

Explanation: No more files can be restored or retrieved because the destination disk is full.

System action: The client prompts you for action:
- Retry this object
- Skip this object
- Abort the action

User response: Select the appropriate action for this object. Create some free space on the destination disk before you retry the operation. Another option is to restore or retrieve the file to another disk.

ANE4010E  Error processing 'filespace namepath-namefile-name': stale NFS handle

Explanation: An NFS file system becomes stale.

System action: File system skipped.

User response: Check the NFS mounted filesystem.

ANE4011E  Error processing 'filespace namepath-namefile-name': no file handles available

Explanation: All file handles for your system are currently in use. No more are available.

System action: Processing stopped.

User response: Either free some file handles by ending other processes, or modify your system setup to allow for more files to be open at the same time.

ANE4012E  'filespace namepath-namefile-name' already exists. It will be skipped.

Explanation: The client tried to restore or retrieve the specified file, but the file already existed in the target restore location and the user chose not to replace the existing file.

System action: The file is skipped, a message is logged in dserror.log, and restore or retrieve processing continues with the next object.

User response: The file was skipped because either REPLACE NO was in effect, causing all existing files and directories to be skipped, or REPLACE PROMPT was in effect, and when prompted, the user chose to skip this file or all existing directories and files. No additional action is necessary if the decision to skip the file was deliberate. Otherwise the operation can be retried using either REPLACE ALL REPLACE PROMPT.

ANE4013E  Error processing 'filespace namepath-namefile-name': invalid file handle

Explanation: An internal system error occurred. A file operation failed because an invalid file handle was passed.

System action: Processing stopped.

User response: Report the problem to your system administrator, and then retry the operation.
ANE4014E Error processing 'filespace namepath-namefile-name': unknown system error (error-code) encountered. Program ending.

Explanation: An unrecognized and unexpected error-code occurred within the client program. This is a programming failure and the client program ends.

System action: processing stops.

User response: Try the operation again. If the problem continues, report the error to your TSM administrator.

ANE4015E Error processing 'filespace namepath-namefile-name': unexpected TSM error (error-code) encountered

Explanation: An unexpected error occurred. This might be a low-level system or communication error that TSM cannot handle or recover from.

System action: processing stops.

User response: Try the operation again. If the problem continues, look for other indications of system problems to determine where the problem exists. Most systems have error or event logs which may contain additional information. See your system administrator or TSM administrator for further help.

ANE4016E Error processing 'filespace namepath-namefile-name': file is being executed; write permission denied

Explanation: The current file cannot be opened to write to because it is currently being run by another operation.

System action: File skipped.

User response: Stop the operation that is running the file and retry the operation, or restore or retrieve the file to a different name or directory.

ANE4017E Error processing 'filespace namepath-namefile-name': too many symbolic links were detected while resolving name

Explanation: While trying to resolve the file name, too many symbolic links were found.

System action: File skipped.

User response: Ensure that you do not have a looping symbolic link for the file.

ANE4018E Error processing 'filespace namepath-namefile-name': file name too long

Explanation: The file name specified is too long to be handled by TSM.

ANE4019E Error processing 'filespace namepath-namefile-name': file system is locked by system

Explanation: File system cannot be accessed because it is locked by the system.

System action: TSM cannot complete the operation.

User response: See your system administrator.

ANE4020E The data format for object 'filespace namepath-namefile-name' is unknown. The unknown format usually occurs when the file was backed up or archived by a later version of IBM Tivoli Storage Manager.

Explanation: When a file is backed up or archived, IBM Tivoli Storage Manager includes some additional information about the file. This message is issued if IBM Tivoli Storage Manager cannot recognize the information during a restore or retrieve operation. The most likely cause is that the file was backed up or archived with a newer version of IBM Tivoli Storage Manager. If the file was backed up from a case-preserving but not case-sensitive file system, the file name might be displayed with incorrect casing. The incorrect casing does not otherwise affect processing since the file is skipped.

System action: The file is not restored or retrieved. Processing continues with the next file.

User response: Try the restore or retrieve operation again with a current version of the IBM Tivoli Storage Manager client software. If the problem persists, contact IBM technical support for further assistance.

ANE4021E Error processing 'filespace namepath-namefile-name': file system not ready

Explanation: The file system/drive was not ready for access.

System action: Processing stopped.

User response: Ensure that the drive is available to TSM, and then retry the operation.

ANE4022E Error processing 'filespace namepath-namefile-name': file system is invalid.

Explanation: The drive was not available for access.

System action: processing stops.
**User response:** Ensure that the drive is operational, and then try the operation again. If this is unsuccessful, check the error log.

**Explanation:** An error was found while reading from or writing to the file.

**System action:** File skipped.

**User response:** Check your system to ensure that it is operating properly. For OS/2, run CHKDSK /F for the failing drive which can be found in dsmerror.log.

**Explanation:** An error was found while writing to the file.

**System action:** File skipped.

**User response:** Check your system to ensure that it is operating properly.

**Explanation:** A file being backed up/restored or archived/retrieved exceeds system set limits for this user. Shown below are the filesize limits corresponding to various platforms.

- **AIX®** 68,589,453,312 (64GB)
- **HP-UX** 1,099,511,627,775 (1TB-1)
- **Linux** 2,147,483,647 (2GB)
- **Mac pre-OS9** 2,147,482,624 (2GB-1K)
- **Mac OS9** 18,446,744,073,709,551,616 (16EB)
- **NetWare** 4,294,963,200 (4GB-4KB)
- **NUMA-Q® DYNIX/ptx®** 4.5 1,095,216,660,480 (1TB-4GB)
- **OS/390®** 4,294,967,295 (4GB)
- **SGI** 18,446,744,073,709,551,615 (16EB-1)
- **Solaris 2.6 or higher** 1,099,511,627,775 (1TB-1)
- **Tru64 UNIX** 1,099,511,627,776 (1TB)
- **UnixWare** 2,147,483,647 (2GB)

**Explanation:** You tried to restore or retrieve a file that has exceeded the maximum file size limitation on your system.

**System action:** TSM cannot restore or retrieve the file.

**User response:** Restore or retrieve this file on a system that supports the file size. See your system administrator.

**Explanation:** An unexpected catastrophic program failure occurred, indicated by value.

**System action:** Processing stopped.

**User response:** Retry the operation. If the problem continues, see your system administrator or service representative.

**Explanation:** The directory path for files being restored or retrieved cannot be created.

**System action:** File skipped.

**User response:** Ensure that you have the proper authorization to create the directory for file being restored or retrieved.

**Explanation:** TSM tried to create a directory path, but is unable to because a file exists that has the same name as a directory.

**System action:** Processing stopped.

**User response:** Remove the file that has the same name as the directory. Refer to the last restore/retrieve operation and check all directories along the path.
ANE4030E  Error processing 'filespace namepath-namefile-name': disk space limit for this process reached
Explanation: The disk space allocated for the client owner is full.
System action: Processing stopped.
User response: Free up disk space and retry the restore or retrieve operation.

ANE4031E  Error processing 'file_space_namepath_namefile_name'. Name exceeds an internal TSM limit.
Explanation: During a file operation, TSM encountered a filename where at least one component of the file name (file_space_name, path_name or directory_name or file_name) exceeded an internal TSM maximum. The internal TSM limits should not be confused with the operating system limits for file_space_name, path_name or directory_name, file_name.

Shown below are the TSM internal file name limits for various platforms.

AIX, HP-UX, Solaris
File_space_name  1024
Path_name or directory_name  1023
File_name  256

Linux
File_space_name  1024
Path_name or directory_name  768
File_name  256

Windows XP/2000/2003
File_space_name  1024
Path_name or directory_name  248
File_name  248

System action: The file is skipped.
User response: Reduce the size of the filename so that it is smaller than the TSM internal limits.

ANE4032E  Error processing 'filespace namepath-namefile-name': file is not compressed.
Explanation: A file that was flagged as compressed was not compressed, and the system failed.
System action: Processing stopped.
User response: See your system administrator to report this problem. This error is a system failure.

ANE4033E  Error processing 'filespace namepath-namefile-name': file compressed on a different client machine that has more memory.
Explanation: You are trying to restore a file that was backed up and compressed on another client workstation that had more memory than your client workstation. You cannot restore this file. When the file is restored, it is expanded and your workstation does not have enough memory.
System action: TSM canceled the operation.
User response: Obtain a machine with more memory and retry the operation.

ANE4034E  Error processing 'filespace namepath-namefile-name': unknown system error
Explanation: An unknown error occurred. This might be a low-level system or communication error that TSM cannot handle or recover from.
System action: Processing stopped.
User response: Retry the operation. If the problem continues, determine where the problem exists. See your system administrator for further help.

ANE4035W  File 'filespace namepath-namefile-name' currently unavailable on server.
Explanation: You tried to restore or retrieve a file that is currently not available from the TSM server.
System action: TSM Cannot restore or retrieve the file.
User response: Try to restore or retrieve after the file was made available on the server. See your system administrator.

ANE4036E  An error occurred saving the registry key.
Explanation: The active registry key cannot be copied to the ADSM.SYS staging directory.
System action: Registry backup operation terminates.
User response: Check the space available on the Windows boot partition to ensure there enough space to contain a copy of the Windows registry. This might require several megabytes of free space. Also check the Windows permissions on the ADSM.SYS staging directory and ensure that the Windows user under which you are running TSM has full access to that directory and its contents.

ANE4037E  Object 'file-namefile-namefile-name' changed during processing. Object skipped.
Explanation: The specified file-name was skipped during backup, archive, or migrate because it was changing during the attempt to process it.
System action: TSM skipped the object.
User response: If you want the file backed up,
archived, or migrated, retry the operation. If it fails, determine why the object is being changed. For more information on backing up, archiving, or migrating changing objects, see your system administrator.

ANE4038E  An error occurred processing file system 'filespace name'.
Explanation:  File system 'filespace name' is corrupted or contains one or more corrupted directories and cannot be processed.
System action:  File system is skipped.
User response:  Check your system to ensure that it is operating properly. For the Windows environment, run CHKDSK utility for the failing drive. More information about corrupted directories can be found in dsmerror.log.

ANE4039E  Error processing 'filespace namepath-namefile-name': compressed file is corrupted and cannot be expanded.
Explanation:  The compressed file cannot be expanded correctly due to one of the following reasons:
• There is a problem on the tape.
• There is a communications problem.
• The compressed file was corrupted on the TSM Server.
System action:  File skipped.
User response:  1) The compressed file is corrupted because there is a problem on the tape. To know if this is the problem, please issue the following command on the TSM Server: audit volume <volume_name> fix=no If there is any problem reported, you could move the data from that volume to a new one (see command MOVE DATA) and try again the restore. 2) There are communications problems between the TSM Server and the TSM Client and the results is that the file is corrupted during the transmission. If you use a gigabit ethernet adapter on the Server please upgrade the card driver (AIX platform) or add provided by SUN suggested changes to some system network options which have resolved this problem (SUN platform). 3) Please verify with your network support if during the restore there are no any problems between the TSM Client/Server that is originating the file corruption.

ANE4040E  Error processing 'filespace namepath-namefile-name': file system 'filespace name' has exceeded its space management quota.
Explanation:  TSM detects that the file system has exceeded its quota. No more data can be migrated out of this file system.
System action:  TSM will not migrate files from this file system.
User response:  Recall some files, or ask the system administrator to increase the quota for this file system.

ANE4041W  Error processing 'filespace namepath-namefile-name': Out of free space or inodes in file system to migrate or recall.
Explanation:  The file system is full. No more free space or free inodes are available to be allocated for the transaction file that is needed when a file is being migrated or recalled.
System action:  TSM terminates the current operation for this file system.
User response:  Remove some files in the file system, and then run reconciliation. Retry the operation.

ANE4042E  Object name 'filespace namepath-namefile-name' contains one or more unrecognized characters and is not valid.
Explanation:  The file name, directory name, or volume label syntax is incorrect.
System action:  The file is skipped.
User response:  Check the disk for errors.

ANE4043I  Total number of objects recalled: Number of objects
Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action:  Processing continues.
User response:  None required.

ANE4044E  Error processing 'filespace-namepath-namefile-name': Case-sensitive name conflict exists.
Explanation:  While processing the specified file on the workstation, another file name was encountered with a similar name which only differed in case. The Backup-Archive client does not allow names which differ only in case on this platform and cannot guarantee the integrity of the file, so the file is skipped.
System action:  This object will be skipped.
User response:  Rename the file in question to a unique name.

ANE4045E  Error processing 'filespace-namepath-namefile-name': Case-sensitive name conflict exists. The directory tree will be skipped.
Explanation:  While processing the specified file on the
workstation, another object name was encountered with a similar name which only differed in case. The Backup-Archive client does not allow names which differ only in case on this platform and cannot guarantee the integrity of the file, so the directory and all of the objects contained within it are skipped.

System action: This object will be skipped.
User response: Rename the file in question to a unique name.

ANE4046E There is an error processing 'filespace-namepath-namefile-name': the object is corrupted and unreadable.

Explanation: You tried to read from or write to a file or directory that is corrupted. The corrupted file is skipped. If this is a directory, the objects contained in the directory and its subdirectories are skipped.

System action: This object will be skipped.
User response: Check your system to ensure that the filespace is not corrupted by using system tools like chkdsk (Windows) or fsck (UNIX).

ANE4047E There is a read error on 'file-namefile-namefile-name'. The file is skipped.

Explanation: The specified file-name was skipped during backup/archive because the file could not be read.

If you are performing a JFS2 snapshot based operation, it is possible that the snapshot was not large enough to contain all the changes made to the filesystem after the snapshot was created. This could cause the snapshot to become invalid thereby preventing TSM client from reading the snapshot.

System action: TSM skipped the file.
User response: Check your system to ensure that it is operating properly.

If you are performing a JFS2 snapshot based operation, please use the default snapshotcachesize of 100% and ensure that the volume group has sufficient disk space to allocate snapshots at least as large as the file system and retry the operation.

ANE4048W LAN-Free connection failed.

Explanation: ENABLELANFREE option is set to YES for this session, but an attempt to establish LAN-Free connection failed.

System action: The TSM client will failover to non LAN-Free support.
User response: Review the TSM error.log for LAN-Free failures. Check your LAN-Free setup and verify that all components are working properly.

ANE4049I Established LAN-Free connection.

Explanation: ENABLELANFREE option is set to YES for this session and the TSM client successfully established LAN-Free connection with server, after the LAN-Free connection was broken.

System action: The TSM client will communicate with the server via LAN-Free.
User response: Review the TSM error.log for LAN-Free errors. Check your LAN-Free setup and verify that all components are working properly.

ANE4050W Scheduled action 'schedule-action' did not execute for schedule 'schedule-name' as the TSM administrator has been disabled from executing the scheduled action on the client.

Explanation: One or more of the client options - schedcmddisabled, srvprepostscheddisabled, srvprepostsnapdisabled, restretrscheddisabled, have been set to YES on the client thereby preventing the TSM administrator from executing one of the following scheduled actions on the client - preschedule, postschedule, presnapshot, postsnapshot or scheduled operating system commands, restore or retrieve operations.

System action: The scheduled operation will not be executed and a message will be logged to TSM Server indicating this.
User response: None required.

ANE4051E Error processing 'filespace namepath-namefile-name': The decryption option is in effect, but the user ID under which back-up or archive is being run is not authorized to decrypt this encrypted-file-system (EFS) file.

Explanation: The file being processed is encrypted by an encrypted file system (EFS). The option is specified to back-up or archive the file in decrypted form. The user ID under which the back-up or archive is being run does not have decryption rights for this file.

System action: The file is skipped.
User response: There are three possible ways to make decryption work:

- Re-encrypt the file under the encryption key of a group to which both the owner and the back-up/archive user IDs belong
- Add the back-up/archive user ID to the list of users authorized to decrypt this file
- Run the back-up or archive under the owner's user ID, if possible
ANE4052E  Error processing ‘filespace namepath-namefile-name’: Encrypted-file-system (EFS) file cannot be restored, because file system does not support restore from the raw-EFS back-up data, or possibly because the restore function does not have write access to the directory.

Explanation: The file being processed is encrypted by an encrypted file system (EFS). The file was backed up in the raw encrypted format. Either the target filesystem does not support the encrypted format, or restore does not have write access to the directory to which the file is to be restored.

System action: The restore is terminated.

User response: v
- The file cannot be restored to this location if the file system is not the AIX Enhanced Journaled File System (JFS2)
- If the file is JFS2 but EFS is not enabled, then EFS must be enabled before the file can be restored
- If the user ID under which restore is being run does not have write permission for the directory, the permissions must be changed or the restore must be run under a different user ID

ANE4053E  Error processing ‘filespace path filename’: The file cannot be restored because the file system or operating system does not support the Encrypting File System (EFS) data.

Explanation: The specified object was backed-up as raw Encrypting File System (EFS) data. The client is trying to restore or retrieve the object to a destination that does not support the EFS data. The location might not support the EFS data for one of the following reasons:
- The operating system does not provide the support, or is a release that does not include the support
- EFS support has not been activated on the operating system
- The target file system does not support the EFS data

System action: The object is not restored or retrieved. Processing continues with the next object.

User response: If this file must be restored, use the following workaround:
- If the object is backed up or archived by a version 6.1 or lower IBM Tivoli Storage Manager client, restore the object to an AIX operating system environment supporting EFS data.
- If the object is backed up or archived by a version 6.0 or lower IBM Tivoli Storage Manager client, use one of the following workarounds:
  - Issue ‘efskeymgr -n’ to set the EFS password to be the same as the login password.
  - Issue ‘efskeymgr -o ksh’ to launch a new shell with the keys loaded. AIX will prompt you for the EFS password as you launch the shell. Run the backup from the new shell.

ANE4054E  Error processing ‘filespace namepath-namefile-name’: The encryption key is not loaded.

Explanation: The file being processed is encrypted by an encrypted file system (EFS). The option is specified to backup or archive the file in decrypted form. The encryption key, required to decrypt the file, is not loaded in the kernel keyring.

System action: The file is skipped.

User response: There are three situations in which this problem can occur:
- You just performed initial activation of EFS on the AIX system, and have not logged out. AIX does load the keys for the session running at the time of initial activation. Solution: Logout and login again.
- You need to run the decrypting backup when the EFS password is different from the login password. Solution: Issue ‘efskeymgr -n’ to set the EFS password to be the same as the login password.
- You need to run the decrypting backup when the EFS password is different from the login password. Solution: Issue ‘efskeymgr -o ksh’ to launch a new shell with the keys loaded. AIX will prompt you for the EFS password as you launch the shell. Run the backup from the new shell.

ANE4055E  Cannot update file space ‘filespace-name’: the file space version on the TSM server is not compatible with this client.

Explanation: The file space on the TSM server is not compatible with this client. This is caused by performing a backup or archive operation with a client and then using a down-level client and attempting a backup or archive operation targeting the same file space. This problem occurs specifically after a Windows or AIX client V6.1 or higher performs a backup or archive operation and then a subsequent backup or archive operation is attempted with a client V5.5 or lower.

System action: Processing stops.

User response: Use the correct level of the client.

ANE4056E  Object ‘object-name’ returned by the IBM Tivoli Storage Manager server has a high-level name that exceeds the maximum length of 6000 characters. The file or directory cannot be processed.

Explanation: The IBM Tivoli Storage Manager server returned information about a backup or archive version with a high level name that exceeds 6000 characters. The high-level name is the directory path that contains the object (file or directory).

This message is displayed when all of the following conditions are true:
- The object was backed up or archived by a version 6.1 or lower IBM Tivoli Storage Manager client.
- The object was backed up or archived to a version 5.5 or lower IBM Tivoli Storage Manager server.
• IBM Tivoli Storage Manager client version 6.2 or higher is attempting to perform an operation that causes the IBM Tivoli Storage Manager server to return information about this object to the client. Note: During incremental backup, the server returns information to the client about active backup versions which is used to determine which files have changed.

Beginning with IBM Tivoli Storage Manager server version 6.1, the maximum high level name length was reduced from 8192 characters to 6000 characters. Objects with high level names that exceed 6000 characters are not supported for backup or archive. Beginning with IBM Tivoli Storage Manager backup-archive client version 6.2, the maximum high level name length was similarly reduced.

**System action:** The file or directory specified in the message is skipped. Processing will continue with the next object.

**User response:** Contact your IBM Tivoli Storage Manager server administrator for further assistance.

ANE4057I The secondary server is configured as read-only. The file-space-name; configured access is read only and the request requires read write access.

**Explanation:** This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

**System action:** Processing continues.

**User response:** None required.

ANE4058I A write failure occurred while attempting to save node replication failover values to the options file.

**Explanation:** A write failure is often a result of insufficient access permissions to the options file, but could also be caused by the lack of available disk space. The replication server connection information cannot be saved and failover will not be possible.

**System action:** The operation failed.

**User response:** Check the local disk for possible causes of the write error, and check to see that sufficient access to the options file is configured.

ANE4059I The option USEREPPLICATIONFailover is set. The node will not attempt a failover to the secondary server.

**Explanation:** This option will prevent the node from connecting to the replication server in the event of a failure of the primary server.

**System action:** The configuration set by the TSM administrator will be saved to the options file. The client will fail to connect to the primary server and processing stops.

**User response:** No response is required.

ANE4060I Session established in failover mode to secondary server.

**Explanation:** This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

**System action:** Processing continues.

**User response:** None required.

ANE4061I Connected to secondary server secondary server; in failover mode. Home server is: home server;

**Explanation:** The node is configured for replication and has successfully connected to the secondary server. This message is to notify the server administrator that a node has connected to the secondary server in failover mode.

**System action:** Processing continues.

**User response:** None.

ANE4062I The secondary server access is not configured. Unconfigured access for file space file-space-name;

**Explanation:** This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

**System action:** Processing continues.

**User response:** None required.

ANE4063W IBM Tivoli Storage Manager application protection did not copy the SqlServerWriter.xml and/or SQLDBINFO.XML files from VM 'VM'. Individual SQL Database restore from this backup is not supported.

**Explanation:** The SqlServerWriter.xml and/or sqldbinfo.xml files were not found on the guest machine.

**System action:** The operation completes. However, the SqlServerWriter.xml or sqldbinfo.xml files were not copied.

**User response:** Make sure that the 'SQL Server VSS Writer' and the 'SQL Server' services are running on this guest machine. Then try the operation again.
ANE4064I  Restoring vCloud Director vApp 'vapp name' from Organization VDC 'org vdc name' from organization 'org name' Target vApp name is 'restored vapp name'

Restore VAPP command started. Total number of vApps to process: vapps num to restore

Explanation: The restore vApp operation completed.
System action: No action is required.

ANE4065E  Proxy rejected: data mover node 'dm node' has not been granted proxy authority for target node 'target_node', associated with Organization vDC 'OVDC name' of Organization 'Org Name'.

Explanation: The operation requires that a proxy access for the data center node is granted to the data mover node.
System action: Operation is canceled for the specified vApp.
User response: Run configuration wizard or configuration editor to configure proper nodes relationship.

ANE4077E  File 'filespace namepath-namefile-name' is encrypted by Microsoft EFS and contains at least one sparse data stream. The operating system does not support restore for this file so it is not backed up or restored.

Explanation: An error in the Microsoft Windows API prevents successful restore of files that meet the following conditions:
- The file is encrypted by Microsoft Encrypting File System (EFS) at the time it was backed up
- The file includes at least one data stream (alternate "named" stream or unnamed stream) that is sparse
- The operating system is any edition of Microsoft XP, Microsoft Windows Server 2003, or Microsoft Windows Server 2003 R2

Because the file cannot be restored, IBM Tivoli Storage Manager does not back it up. The problem is documented by Microsoft at http://support.microsoft.com/kb/2525290.

System action: The file is not backed up or restored. Processing continues with the next object or ends if there are no further objects.
User response: If this message is issued during a backup operation, you can do the following:
- Disable EFS encryption for the file so that it can be backed up.

ANE4081E  Error processing 'filespace-name': file space type is not supported.

Explanation: The specified file space type is not currently supported by TSM on this platform.
System action: The unsupported file system is skipped. Processing continues with the next file system.
User response: Refer to the documentation for information on what file space types are supported.

ANE4082I  Node password has been reset to the administrative id password.

Explanation: The client logged in using administrative id rather than node name. The node password has been reset to be in sync with the administrative password.
System action: Processing continues.
User response: None.

ANE4083I  New node password has been generated.

Explanation: The client logged in using administrative id rather than node name. New random node password has been generated and recorded.
System action: Processing continues.
User response: None.

ANE4084E  Error processing 'filespace-namepath-namefile-name': cannot get file status.

Explanation: While processing the file, the lstat() call set EOVERFLOW error code.
System action: This file will be skipped.
User response: The file is skipped. Processing continues with the next file.

ANE4085I  Assigned 'number' objects from previous systemstate backup to the new systemstate backup.

Explanation: Objects in the previous System State backup have not changed and were assigned to the new System State backup.
System action: Processing continues.
User response: None.
ANE4086W  Failed to assign unchanged objects from previous systemstate backup to the new systemstate backup. Objects will be backed up.

Explanation: Objects in the previous System State backup have not changed and should be assigned to the new systemstate backup. Due to error assign operation failed and objects will be backed up.

System action: Processing continues.

User response: Retry the operation. If the problem persists, contact TSM technical support.

ANE4087E  An attempt to load data for the wizard failed. For more information, please see the log file.

Explanation: An attempt to load data for the wizard failed as the remote agent is probably unavailable.

System action: Processing stopped.

User response: Check the log for reason for the failure.

ANE4088I  Error

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4089W  File server file-server-name has been upgraded to Data ONTAP version 'version.modification.submodification'. Perform a full incremental backup by specifying option createnewbase=migrate as soon as possible.

Explanation: The file server has been upgraded to a version that supports unicode file names for incremental backup using snapshot difference. Perform a full incremental in order to backup any files with unicode names that may have been skipped by the previous version of the IBM Tivoli Storage Manager client.

System action: Processing continues.

User response: Perform a full incremental backup by specifying the command line option createnewbase=migrate with the snapdiff option as soon as possible.

ANE4090I  Starting Full VM Incremental backup of Virtual Machine 'vmname'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4091E  Data mover platform is not supported for instant access/restore operations.

Explanation: The instant access/restore operation failed.

System action: The instant access/restore operation failed. The reason for the failure is unsupported platform.

User response: The instant access/restore operation should be performed from a supported data mover platform.

ANE4099E  The system volume cannot be identified. Therefore the system state cannot be backed up.

Explanation: The system volume contains the hardware-specific system state files that are needed to start Windows, such as Ntldr, Boot.ini, Ntdetect.com or Bootmgr. If the system volume cannot be identified, then these files cannot be backed up. Therefore it is not possible to back up the system state.

System action: Systemstate backup stops.

User response: Try the operation again. If the problem persists, obtain a service trace that captures the problem and contact IBM technical support for...
additional assistance. Your TSM administrator can help you configure the trace.

ANE4100I  Objects Scanned : Number of objects

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4101I  Files : Number of files New : Number of new files

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4102I  Directories : Number of directories New : Number of new directories

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4103I  Entries Entered : Number of entries

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4104I  Resident Objects : Number of objects New : Number of new objects

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4105I  Premigrated Objects : Number of objects New : Number of new objects

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4106I  Migrated Objects : Number of objects New : Number of new objects

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4107I  Candidates : Number of migration candidates Migrated : Number of migrated objects Premigrated : Number of premigrated objects

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4108I  Objects Removed : Number of objects

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4109I  Searching for premigrated candidates

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4110I  Searching for largest and oldest candidates (level1)

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4111I  Searching for largest or oldest candidates (level2)

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.
ANE4112I  Searching for remaining candidates (level3)
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4113I  Waiting for dsmautomig
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4114I  Waiting for a new scan
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4115I  Creating pool file
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4116I  Search finished
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4117I  Current search state :
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4118I  Objects scanned in hash : Number of objects
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4119I  Premigrated candidates : Number of objects
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4120I  Level 1 candidates : Number of objects
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4121I  Level 2 candidates : Number of objects
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4122I  Level 3 candidates : Number of objects
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4123I  Total candidates found : Number of objects
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.
ANE4124I  NO INFORMATION AVAILABLE

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4125I  Search is currently running. Running since Number of seconds seconds

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4126I  Scan is currently running. Running since Number of seconds seconds

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4127I  Currently scanning Number of objects objects per second

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4128I  Scan complete

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4129I  Scan time was Number of seconds seconds

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4130I  Scanned Number of objects objects per second

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4131I  ------------------------ Currently Searching: ------------------------

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4132I  Backup of Virtual Machine 'vmname' started

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4133I  Mount virtual machine disk on backup proxy for VM 'vmname'

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4134I  Incremental backup of Virtual Machine 'vmname'

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4135I  Querying all local drives for VM 'vmname'

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.
ANE4136I Searching for VM 'vmname' volumes for backup at location: volname
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4137E Error processing 'filespace namepath-namefile-name': exceeded maximum number of links allowed
Explanation: Link cannot be restored or retrieved because the destination file system has exceeded maximum number of links allowed.
System action: The client prompts you for action:
- Skip this object
- Abort the action
User response: Select the appropriate action for this object. Restore or retrieve the link to another file system.

ANE4138I Filespace Query for Virtual Machine 'vmname'
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4139I Successful incremental backup of Virtual Machine 'vmname'
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4140I Backup VM command complete
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4141I Starting Full VM backup of Virtual Machine 'vmname'
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4142I virtual machine vmname backed up to nodename nodename
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4143I Total number of virtual machines failed: num
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4144I virtual machine vmname
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4145I Backup VM command started. Total number of virtual machines to process: num
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4146I Starting Full VM backup of Virtual Machine 'vmname'
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4147I Successful Full VM backup of Virtual Machine 'vmname'
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4148I Total number of virtual machines backed up successfully: num
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
ANE4148E  Full VM backup of Virtual Machine 'vmname' failed with RC rc
Explanation:  The Full VM backup of virtual machine failed.
System action:  The full backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.
User response:  Check the local client error log for reason for the failure.

ANE4149I  Total number of virtual machines processed: num
Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action:  Processing continues.
User response:  None required.

ANE4150E  Incremental backup of Virtual Machine 'vmname' failed with RC rc
Explanation:  The incremental backup of virtual machine volumes failed.
System action:  The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.
User response:  Check the local client error log for reason for the failure.

ANE4151E  Failure mounting Virtual Machine 'vmname'. RC=rc
Explanation:  The VMware failed to mount virtual machine disk.
System action:  The backup of the virtual machine cannot continue. The next virtual machine in the vmlist will be processed. Refer to dsmerror.log for detailed error message for the reason for the failure.
User response:  Refer to dsmerror.log for detailed error message.

ANE4152E  Failure initializing VMware virtual machine environment. RC=rc. Refer to IBM Tivoli Storage Manager error log for detailed error messages.
Explanation:  Failure initializing VMware virtual machine environment. Refer to IBM Tivoli Storage Manager error log for detailed error messages.

ANE4153E  Hostname could not be found for Virtual Machine 'vmname'
Explanation:  The backup of virtual machine failed.
System action:  The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.
User response:  Check the local client error log for reason for the failure.

ANE4154E  Possible cause Virtual Machine is not running and does not have a static IP address.
Explanation:  The backup of virtual machine failed.
System action:  The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.
User response:  Check the local client error log for reason for the failure.

ANE4155E  Virtual Machine 'vmname' could not be found on VMware server.
Explanation:  The backup of virtual machine failed.
System action:  The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.
User response:  Check the local client error log for reason for the failure.

ANE4156E  File level VM backup of virtual machine 'vmname' not supported. File level VM backup not support on non Windows platform guest OS. Platform type: 'platform'.
Explanation:  The backup of virtual machine failed.
System action:  The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.
User response:  Back up the virtual machine using the VMBACKUPType=FULLvm option.
ANE4157I BACKUP VM of virtual machines specified in option option.

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4158I BACKUP VM of virtual machines 'option'.

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4159E Backup of Virtual Machine 'vmname' failed. rc=rc.

Explanation: The backup of virtual machine failed.
System action: The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.
User response: Check the local client error log for reason for the failure.

ANE4160E Proxy Rejected: Proxy authority has not been granted to Agent Node: 'agent_node' for Target Node: 'target_node'.

Explanation: The backup of virtual machine failed.
System action: The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is the node has not been granted proxy authority to access the node named by the backup proxy node. The TSM administrator must first grant proxy authority.
User response: The TSM server administrator must grant proxy authority for this node. See the administrator command "Grant Proxynode".

ANE4161E Duplicate virtual machine name 'vmname' was detected in the same backup operation. Backup of virtual machine 'vmfullname' can not continue without a unique object name.

Explanation: The backup of virtual machine failed.
System action: The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

ANE4162E The virtual machine 'virtual-machine-name' has not been previously backed up.

Explanation: The specified virtual machine has not been previously backed up, so can not be specified for restore.
System action: The specified virtual machine is skipped, and the next virtual machine in the restore list is processed.
User response: Verify the virtual machine name to be restored, and re-try the operation.

ANE4163I Encryption is currently enabled, but the virtual machine backup for 'virtual-machine-name' will not be encrypted.

Explanation: Virtual Machine files are not encrypted when backed up to the TSM server.
System action: The virtual machine files are not encrypted during the backup processing.
User response: No user action is necessary.

ANE4164W Compression is currently enabled, but the virtual machine backup for 'virtual-machine-name' is not compressed because client-side deduplication is not being used.

Explanation: Compression can only be used with virtual machine CTL and Data files when the files are stored in a storage pool that is enabled for client-side deduplication. This message is issued when the client is configured for compression and virtual machine CTL or Data files are directed to a storage pool that is not enabled for client-side deduplication.
System action: Backup continues, and data is not compressed.
User response: If you intend to compress virtual machine CTL and Data files, then update your Tivoli Storage Manager configuration so that both types of files are directed to storage pools that are enabled for client-side deduplication. If you intend to compress virtual machine Data files but not CTL files, then update your Tivoli Storage Manager configuration so that the Data files are directed to a storage pool that is enabled for client-side deduplication. Set the VMSKIPCTLCOMPRESSION to YES in your client options file. If you do not intend to use compression, then set COMPRESSION NO in your client options file.
ANE4165E  Creating a Virtual Machine, but the hostname 'virtual-machine-name' was not found.
Explanation: The Virtual Machine being creating must have a valid hostname to be created.
System action: Check the virtual machine hostname specified for correctness.
User response: Correct the virtual machine hostname specified and retry the restore.

ANE4166E  Creating a Virtual Machine, but the datacenter 'virtual-machine-name' was not found. The name may be incorrect or may be located in a VMware folder and require the folder name such as vmfolder/dcname.
Explanation: The Virtual Machine being created must have a valid datacenter to be created.
System action: Processing stops.
User response: Check the virtual machine datacenter specified for correctness. If the datacenter is contained in a folder then the full datacenter name, complete with the folder path, must be specified, such as vmfolder/dcname.

ANE4167E  Creating a Virtual Machine, but the datastore 'virtual-machine-name' was not found.
Explanation: The Virtual Machine being creating must have a valid datastore to be created.
System action: Check the virtual machine datastore specified for correctness.
User response: Correct the virtual machine datastore specified and retry the restore.

ANE4168E  VMware has reported an error via their SOAP interface. On the Detailed Status Report panel, view the last error message reported. Also check the error log for more information about the problem that occurred.
Explanation: The command to VMware failed to complete. The error returned is displayed on the Restore or Backup summary panel under the Last Error Message section.
System action: An error occurred, and the operation failed.
User response: Check the reported error and correct the problem. Usually the reason for the error is a user-supplied value which is not valid for the operation.

ANE4169E  A write failure occurred on the local disk proxy used to temporarily store the virtual machine virtual disk information. The write failure can be caused by the lack of available disk space on the drive used to store this information. The VMBACKDIR option can be used to assign a different disk location for this purpose. Check the drive being used and ensure that there is enough space available for this operation.
Explanation: There was a write error from the local disk used to store the virtual machine virtual disk information. Usually the write error is due to lack of disk space, lack of write permissions, or some similar problem with the local disk. The VMBACKDIR option can be used to assign a different disk location if the local drive does not have enough free space for the operation.
System action: A disk write error occurred, and the operation failed.
User response: Check the local disk for possible causes of the write error, and use the VMBACKDIR option to assign another disk if needed.

ANE4170E  Can not create a Virtual Machine on VMware release 'release-version-target' which was backed up from VMware release 'release-version-source'.
Explanation: The Virtual Machine being created was backed up from a version of VMware which is not compatible with the target VMware release version being used for the restore.
System action: Processing stops.
User response: Restore the Virtual Machine to a VMware system which is compatible with the level from which the Virtual Machine was backed up.

ANE4171E  Backup of virtual machine 'vmname' failed. VM could not be contacted because of 'vmfullname' connection state.
Explanation: The backup of virtual machine failed.
System action: The backup of the virtual machine finished with failures. The next virtual machine in list will be processed.
User response: Correct the connection state from VMware vCenter and assign VM to an ESX Server.
ANE4172I  Starting Full VM backup of VMware Virtual Machine 'vmname' mode: 'full_or_incr' target node name: 'target_node_name' data mover node name: 'data_mover_node_name' application protection type: 'application_protection_type' application(s) protected: 'application_list'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4173I  Successful Full VM backup of VMware Virtual Machine 'vmname' mode: 'full_or_incr' target node name: 'target_node_name' data mover node name: 'data_mover_node_name'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4174E  Full VM backup of VMware Virtual Machine 'vmname' failed with RC=rc mode='full_or_incr' target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: The Full VM backup of the virtual machine failed.

System action: The full backup of the the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response: Check the local client error log for reason for the failure.

ANE4175I  Starting Full VM restore of VMware Virtual Machine 'vmname' target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4176I  Successful Full VM restore of VMware Virtual Machine 'vmname' target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4177E  Full VM restore of VMware Virtual Machine 'vmname' failed with RC=rc target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: The Full VM restore of the virtual machine failed.

System action: The full restore of the the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response: Check the local client error log for reason for the failure.

ANE4178W  Compression is currently enabled, but the virtual machine control files for 'virtual-machine-name' will not be compressed because client-side deduplication is not being used for the management class default or specified by the -vmctlmc option for 'vm-ctl-mgmt-class-name'.

Explanation: Virtual machine control files are not compressed because data is stored in a storage pool that is not enabled for client-side data deduplication. The virtual machine control files are not compressed during the backup processing unless data is stored in a storage pool that is enabled for client-data deduplication.

System action: Backup continues, and control file data is not compressed.

User response: Ensure that the storage pool is enabled for client-side data deduplication: run "q stg <pool name> f=d" and verify that the value of "Deduplicate Data?" is "yes". Ensure that client-side data deduplication is enabled on the server. To enable client-side data deduplication, use the DEDUPLICATION parameter on the REGISTER NODE or UPDATE NODE server command. Set the value of the parameter to CLIENTORSERVER. The value of the DEDUPLICATION option on the client must be set to YES. You can set the DEDUPLICATION option in the client options file, in the preference editor of the Tivoli Storage Manager client GUI, or in the client option set on the Tivoli Storage Manager server. Use the DEFINE
CLIENTOPT command to set the DEDUPLICATION option in a client option set. To prevent the client from overriding the value in the client option set, specify FORCE=YES. Ensure that the deduplication parameter for the node is 'ClientOrServer': The value of the DEDUPLICATION option on the client must be set to YES.

ANE4179I IBM Tivoli Storage Manager application protection did not truncate the Microsoft SQL Server logs on VM 'VM'.

Explanation: The SQL server logs were not truncated because the following option was specified for this virtual machine: INCLUDE.VMTSMVSS vname OPTIONS=KEEPSQLLOG

System action: The operation completes.

User response: Remove the OPTIONS=KEEPSQLLOG option to enable truncation of the SQL logs when a backup completes.

ANE4180I BYTES='BYTES'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4181I ACTIVITY DETAILS='DETAILS'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4182I AS_ENTITY='AS_ENTITY'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4183I SUB_ENTITY='SUB_ENTITY'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4184I ACTIVITY_TYPE='ACTIVITY_TYPE'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4185I RC='RC'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4186I ENTITY='ENTITY'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4187W CPU and Memory Resource Allocation configuration settings cannot be restored when the IBM Tivoli Storage Manager data mover node is connected directly to a Virtual Center managed ESX/ESXi host. These settings have been skipped.

Explanation: The VMware vStorage APIs do not support the restore of CPU and Memory Resource Allocation configuration settings when connected directly to an ESX/ESXi host that is managed by a Virtual Center.

System action: CPU and Memory Resource Allocation configuration settings are skipped. Processing continues.

User response: Virtual machine CPU and Memory Resource Allocation configuration settings will be restored when the IBM Tivoli Storage Manager data mover node connects directly to a vCenter Server. Modify the VMCHOST to connect the TSM data mover to a vCenter Server.

ANE4188I EXAMINED='EXAMINED'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.
ANE4189I  AFFECTED='AFFECTED'
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4190I  FAILED='FAILED'
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4191E  Restore VM operation failed using 'san' transport mode. In some cases switching from SAN to network-based VM restores can be successful.
Explanation: Restore VM operations that fail using SAN transport mode can often be successful over a LAN path. If a restore vm operation fails using the 'SAN' transport mode, set the client option VMVSTORTRANSPORT to "nbd:nbdssl" and try the restore vm operation again.
System action: Restore VM operation failed using 'san' transport mode. Restore may be successful using 'nbd:nbdssl' transport modes.
User response: Restore VM operation failed using 'san' transport mode. In some cases network-based VM restores can be successful when using 'nbd' or 'nbdssl' transport modes.

ANE4192I  Years='Years' Months='Months' Days='Days' Hours='Hours' Minutes='Minutes' Seconds='Seconds'
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4193E  vApp 'vApp name' cannot be processed because data mover 'dm node' cannot connect to the target node 'target_node'.
Explanation: The operation requires that a proxy access for the data center node is granted to the data mover node.
System action: Operation is canceled for the specified vApp.

ANE4194E  Encryption is currently enabled, but is not supported for incremental forever backups of virtual machines (-MODE=IFFULL or -MODE=IFINCREMENTAL).
Explanation: Client encryption of VMware incremental forever backups (-mode=IFFULL or -mode=IFINCREMENTAL) is not supported. In order to avoid the unintentional storage of unencrypted data on the server, the backup operation stops.
System action: The virtual machine backup stops.
User response: Remove the encryption options for this operation and run it again. You can use Secure Sockets Layer (SSL) encryption to encrypt the data over the network. If the backup data must be encrypted in TSM storage pools, use an alternative backup method such as full and incremental backups (-mode=FULL and -mode=INCREMENTAL), or in-guest backups.

ANE4195E  The target node for Organization VDC 'OrgVDC name' in Organization 'Org name' was not found. As a result, vApp 'vApp name' cannot be backed up.
Explanation: Either the TSM node for the specified organization VDC was not found on the TSM server, or information about the Organization VDC node was not found in the Provider VDC node.
System action: Back up of the specified vApp stops. Processing continues to the next vApp.
User response: Go to the Configuration page and click 'Run the Configuration Wizard' to verify that all required TSM nodes are registered on the TSM server. If required, register a new data mover node. Make sure that the organization VDC belongs to the provider VDC that this data mover node protects.

ANE4198I  Total bytes after deduplication: bytes
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4199W  File 'file name' is not backed up as part of the system state because cluster disk 'volume name' is not accessible.
Explanation: The indicated file or directory was returned by VSS as part of the backup file list of the
writer. However, the cluster disk where the file is located is not accessible. The reasons for this problem can be that the cluster disk is offline or belongs to another node.

**System action:** The file is not backed up. Processing continues.

**User response:** This problem is documented in Microsoft knowledge base topic 980794 http://support.microsoft.com/kb/980794. The topic includes a hotfix. With the hotfix, you can specify a registry key that contains a list of one or more files to be excluded from VSS enumeration. IBM Tivoli Storage Manager does not back up files that are not enumerated by VSS. If the volume is brought online to the node performing the system state backup, then it cannot be backed up. You must remove the volume from the registry key and restart the system before you can back up the volume. If you do not want to implement the hotfix for this problem, IBM Tivoli Storage Manager continues to issue this message.

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**ANE4200I**

*architecture, schedule-name, domain-name:*
The Deployment Manager process was started successfully. **Deployment Manager Version Information:** version.

**Explanation:** The Deployment Manager process was started as a post schedule command. This is the first message from the Deployment Manager. The architecture of the client, schedule name, and domain name are identified at the beginning of the message text.

**System action:** Deployment Manager continues to process.

**User response:** None

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**ANE4201I**
The Deployment Manager successfully installed language pack: language pack name.

**Explanation:** This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

**System action:** Processing continues.

**User response:** None required.

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**ANE4202E**
The Deployment Manager failed to install language pack: language pack name. The Microsoft Installer error code was error code.

**Explanation:** The previous language pack has been uninstalled, and the installation of the new language pack failed.

**System action:** Processing continues.

**User response:** For information about Microsoft Windows Installer error codes, search on "Windows Installer Error Messages" document at the Microsoft Developers Network site: msdn.microsoft.com.

Check the install log on the client computer.

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**ANE4203I**
The Deployment Manager successfully retrieved system information.

**Explanation:** This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

**System action:** Processing continues.

**User response:** None required.

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**ANE4204E**
The Operating System of the client computer: os name is not supported by the target version: target version.

**Explanation:** The operating system level of the client computer is no longer supported by the target level.

**System action:** Processing stops.

**User response:** Check the release documentation for information on supported operating system levels.

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**ANE4205I**
The Deployment Manager successfully extracted from installation image: image name.

**Explanation:** This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

**System action:** Processing continues.

**User response:** None required.

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**ANE4206E**
The Deployment Manager received an error while extracting from installation image: image name.

**Explanation:** The installation image might be missing, corrupted, or there might be insufficient disk space on the client computer.

**System action:** Deployment Manager stops.

**User response:** Make sure that there is sufficient disk space on the client computer.

Make sure that all of the Windows self extracting client images on the client computer are valid.

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**ANE4207I**
The Deployment Manager shut down service successfully: service name.

**Explanation:** This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

**System action:** Processing continues.
ANE4208E The Deployment Manager could not shut down TSM service: service name.

Explanation: None

System action: Processing continues.

User response: None required.

ANE4209I The Deployment Manager successfully installed package: client package name.

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4210E The Deployment Manager failed to install package: client package name. The Microsoft Installer error code was error code.

Explanation: The previous client package has been uninstalled, and the installation of the new client package failed.

System action: Processing stops.


ANE4211I The Deployment Manager successfully restarted service: service name.

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4212E The Deployment Manager failed to restart service: service name.

Explanation: After the automatic client deployment, the TSM client services failed to start.

System action: Processing stops.

User response: Log on to the client machine and check the backup-archive client error log.

ANE4213E Automatic restart of the client computer was required because reason.

Explanation: The Deployment Manager determined that the deployment requires restarting the client.

Automatic restart is not enabled. The Deployment Manager process cancels the deployment.

The current client is not uninstalled or updated.

System action: Deployment Manager cancels the client deployment and stops.

User response: Reschedule the client deployment.

ANE4214E The operating system platform of the client package 'OS platform of package' is incompatible with the client computer 'OS platform of client computer'.

Explanation: None

System action: Processing continues.

User response: None required.

ANE4215E The automatic deployment path from the current client code version 'source version' to the client package version 'target version' is not supported.

Explanation: None

System action: Processing stops.

User response: Refer to the Tivoli Storage Manager Backup-Archive Client documentation in the information center. Reschedule the client deployment with an appropriate target level.

ANE4216E The TSM API library version API version is at an earlier version than the version of the client package package version.

Explanation: The client package for automatic deployment is invalid. In the client package, the API version does not match the Deployment Manager version.

System action: Deployment Manager stops processing.

User response: Please make sure that the installation package is valid.

ANE4217E The Deployment Manager received an error while setting up the client API. The standard API function being invoked is API setup function name.

Explanation: The Deployment Manager process failed when setting up the client API.

Check the install log on the client computer.
ANE4218E  The Deployment Manager received an error while initializing the client API. The standard API function being invoked was API init function name.

Explanation: The Deployment Manager process failed when initializing the client API.

System action:  Processing stops.

User response:  Check the error log on the client computer.

ANE4219E  The Deployment Manager received an error while creating a pipe for the standard output of the child process.

Explanation: The Deployment Manager failed to create a pipe for the standard output of the child process.

System action:  Processing stops.

User response:  Check the error log on the client computer.

ANE4220E  The Deployment Manager is unable to determine if TSM processes are still running.

Explanation: The Deployment Manager could not determine whether all TSM processes were shut down successfully.

System action:  If automatic restart (autoreboot) is enabled, the Deployment Manager continues. If automatic restart is not enabled, Deployment Manager stops.

User response:  Reschedule with automatic restart (autoreboot) enabled.

ANE4221E  The architecture of the package: package architecture does not match the current client: system architecture.

Explanation: The setup script was unable to retrieve the matching package from the server.

System action:  Processing stops.

User response:  Ensure that the client packages for all architectures are available on the server.

ANE4222E  The Deployment Manager is unable to read information in file: file name.

Explanation: Deployment Manager failed to open a file containing required system information.

System action:  Processing stops.

User response:  Check the error log on the client computer.

ANE4223E  The Deployment Manager is missing required information in file: file name.

Explanation: The Deployment Manager relies on the information in this file to complete the client deployment.

System action:  Processing stops.

User response:  Check the error log on the client computer.

ANE4242I  The Deployment Manager successfully shuts down backup-archive client processes with names starting with "dsm".

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4225W  The setup script is still waiting for the result of querying system information. Ensure that "PASSWORDACCESS GENERATE" is set in the client options file and that a connection to the server can be made without being prompted for a password.

Explanation: The results of querying the system information has taken longer than expected. This could be caused by either a slow system or because there is no password saved for the node.

System action:  If the password is not generated, processing stops and client deployment will not begin. If the system is slow, processing continues.

User response:  Ensure that "PASSWORDACCESS GENERATE" is set in the client options file and that a connection to the server has been made without being prompted for a password. Ignore the warning if the password has been generated.

ANE4226E  There is at least one error in the post schedule command of the client deployment schedule.

Explanation: The Deployment Manager encountered at least one error while parsing the post schedule command of the client deployment schedule.

System action:  Processing stops, and client deployment will not begin.

User response:  Check the release documentation for
information on the format of the post schedule command of the client deployment schedule.

**ANE4227E**  The Deployment Manager failed to install package: client package name. The client computer is out of disk space. The Microsoft Installer error code was error code.

**Explanation:** The previous client package has been uninstalled, and the installation of the new client package failed because the client computer is out of disk space.

**System action:** Processing stops.

**User response:** For information about Microsoft Installer error codes go to the Microsoft Developers Network (http://msdn.microsoft.com/en-US/) and search for "Windows Installer Error Messages". Check the install log on the client computer.

**ANE4228E**  The Deployment Manager failed to install language pack: language pack name. The client computer is out of disk space. The Microsoft Installer error code was error code.

**Explanation:** The previous language pack has been uninstalled, and the installation of the new language pack failed because the client computer is out of disk space.

**System action:** Processing continues.

**User response:** For information about Microsoft Installer error codes go to the Microsoft Developers Network (http://msdn.microsoft.com/en-US/) and search for "Windows Installer Error Messages". Check the install log on the client computer.

**ANE4229I**  The client computer is required to restart to complete the new Backup-Archive client installation.

**Explanation:** The deployment of the new backup-archive client will not be complete until the client computer is restarted. The restart is scheduled to happen immediately after all language packs are deployed.

**System action:** The Deployment Manager process continues. The client computer will be shut down and restarted after all language packs are deployed, or immediately if there are no language pack to install.

**User response:** None

**ANE4230I**  The client computer will be shut down and restarted immediately.

**Explanation:** The Deployment Manager needs to restart the client computer to complete the client deployment. It is possible the other messages provide details of the deployment.

**System action:** The Deployment Manager process continues. The client computer will be shut down and restarted immediately after all language packs are deployed, or immediately if there are no language pack to install.

**User response:** None

**ANE4231E**  The deployment for language pack: image name was cancelled.

**Explanation:** The Deployment Manager does not uninstall or update the current language pack. It is possible the other messages provide details of the deployment.

**System action:** Processing stops. The client computer will be shut down and restarted immediately after all language packs are deployed, or immediately if there are no language pack to install.

**User response:** Check the error log on the client computer. Manually deploy the language pack.

**ANE4232E**  Self-extracting installation image: image name cannot be found.

**Explanation:** The Deployment Manager could not find the required installation image.

**System action:** Processing stops. Client deployment will be cancelled.

**User response:** Check the server's activity log or the scheduler log on the client computer. Reschedule the client deployment.

**ANE4233I**  The Deployment Manager will install the Backup-Archive client with the following feature set: feature set.

**Explanation:** This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

**System action:** Processing continues.

**User response:** None required.

**ANE4234E**  The deployment for language packs failed.

**Explanation:** The Deployment Manager failed to install one or more language packs. It is possible the other messages provide details of the installation.
ANE4235I  The deployment manager cannot log events to the server.
Explanation: The Deployment Manager is unable to log events to the server. It is possible the other messages provide details of the communications.
User response: Check the error log and installation on the client computer. Identify the language packs that failed to install and manually deploy them.

ANE4236E  The setup script was unable to query the registry for the Tivoli Storage Manager client installation directory.
Explanation: The setup script encountered an error while querying the Windows registry for [HKLM\SOFTWARE\IBM\ADSM\CurrentVersion\BackupClient].
User response: Check network connection and the error log on the client computer.

ANE4237W  Query system information was completed with warnings or errors.
ErrorLevel was error level.
Explanation: The setup script encountered warnings or errors while querying system information.
User response: Check the release documentation for information on supported Windows platforms and ensure the REG.EXE command is available on the client computer.

ANE4238E  Processor Architecture information is missing in the system information.
Explanation: It is possible the setup script encountered a warning or error while querying system information.
User response: Check the error log of the backup-archive client for warning and error messages.

ANE4239E  Processor Architecture information is missing in the client package.
Explanation: It is possible the client deployment package is missing or corrupted.
User response: Check the release documentation for information on supported Windows platforms and ensure the REG.EXE command is available on the client computer.

ANE4240E  Client version information is missing in the client package.
Explanation: It is possible the client deployment package is missing or corrupted.
User response: Ensure that the client package is available and imported to the server correctly.

ANE4241I  Architecture of the package: package architecture does not match the current client: system architecture. The setup script is attempting to retrieve the matching package.
Explanation: The setup script is trying to retrieve the matching client package from the server.
User response: Ensure that client packages for all architectures are available on the server.

ANE4242E  The setup script encountered a warning or error while retrieving the client package for architecture. The error level is error level.
Explanation: It is possible the client package is not available on the server.
User response: Ensure that client packages for all architectures are available on the server. Check the backup-archive client error log for more detailed error messages.

ANE4243I  The setup script successfully retrieved the client package for architecture.
Explanation: The client package that was downloaded matches the processor architecture of the current client.
User response: None
### ANE4244E

**Description:** The setup script failed to install the Microsoft Visual C++ redistributable package. Error Level is *error level*.

**Explanation:** The Microsoft Visual C++ redistributable package is required by the new client.

**System action:** Processing stops.

**User response:** Check the installation log file for names with "vcredist*.log" file in system temp directory.

### ANE4245I

**Description:** The setup script successfully installed the Microsoft Visual C++ redistributable package.

**Explanation:** The Microsoft Visual C++ redistributable package is required by the new client.

**System action:** Processing continues.

**User response:** None

### ANE4246E

**Description:** The setup script failed to start the Deployment Manager program. Error Level is *error level*.

**Explanation:** The setup script could not start the client deployment process.

**System action:** Processing stops.

**User response:** Check the log files on the client computer for more details. Ensure the client package is not corrupted.

### ANE4247I

**Description:** The setup script successfully started the Deployment Manager program.

**Explanation:** The setup script invokes the Deployment Manager to manage the deployment process.

**System action:** Processing continues.

**User response:** None

### ANE4248E

**Description:** The client is already at the target level: *target version*.

**Explanation:** Processing stopped because the automatic client deployment feature does not support the installation of a client to a workstation that is already at its target level.

**System action:** Your current backup-archive client is not affected.

**User response:** Refer to the Tivoli Storage Manager Backup-Archive Client documentation in the information center. Reschedule the client deployment with an appropriate target level.

### ANE4249E

**Description:** The setup script was unable to query the registry for the client scheduler service name.

**Explanation:** The setup script encountered an error while querying the Windows registry for [HKLM\SOFTWARE\IBM\ADSM\CurrentVersion\BackupClient\Scheduler Service].

**System action:** Processing stops, and client deployment will not begin.

**User response:** Check the release documentation for information on supported Windows platforms and ensure the REG.EXE command is available on the client computer.

### ANE4250E

**Description:** There is already a deployment manager running on this computer.

**Explanation:** Only one instance of client deployment manager can be active at a time. This client computer might be configured with multiple node names, but the new client code only needs to be deployed to one node per computer. Each client deployment instance can take a few minutes to complete.

**System action:** Processing stops.

**User response:** Ensure only one client deployment task is scheduled to run at a time.

### ANE4251W

**Description:** *writername file* 'filename'; not found.

**Explanation:** The indicated VSS writer file or directory was returned by VSS as part of the backup file list of the writer. However, the object does not exist on the disk.

**System action:** Processing stops if SKIPMISSINGSYSWFILES option is set to NO. Processing continues if SKIPMISSINGSYSWFILES option is set to YES.

**User response:** Verify that this file can be skipped during system state backup.

### ANE4252E

**Description:** The deployment manager failed to start as a scheduled task.

**Explanation:** The setup script failed to start the deployment manager as a scheduled task with the Windows "at" command.

**System action:** Processing stops.

**User response:** Ensure that the Windows Task Scheduler service is running. It is possible that the system event log contains more details about the failure. Reschedule the client deployment.
ANE4253E There was not enough disk space on the client computer. Required space: package space bytes; available space: system space bytes.

Explanation: The deployment manager determined there was insufficient free disk space for the client deployment.

System action: Processing stops.
User response: Free up required disk space and reschedule the client deployment.

ANE4254E The deployment manager detected an HSM client on the workstation that it needs to deploy the Backup-Archive client to.

Explanation: An attempt was made to deploy the Backup-Archive client to a workstation that already has the HSM client installed. The Backup-Archive client cannot be deployed to a workstation that has the HSM client.

System action: Processing stops.
User response: Uninstall the HSM client and reschedule the Backup-Archive client deployment.

ANE4255E There is not enough memory for the deployment manager to create the system information object.

Explanation: The system information object could not be created because there is not enough available RAM to temporarily write the data into.

System action: Processing stops.
User response: Close all unneeded applications on the client workstation and reschedule the deployment.

ANE4256E The DSMI_DIR environment variable is not defined.

Explanation: The deployment manager cannot initiate a connection to the server because the DSMI_DIR environment variable is not set. This error can occur if the deployment manager is started without using the client scheduler.

System action: Processing stops.
User response: Read the available documentation to determine how to use the client scheduler to create a client deployment task.

ANE4257E The deployment manager cannot parse information in file: file name.

Explanation: The deployment manager could not parse or extract the required information from the specified file.

System action: Processing stops.
User response: Check the error log file on the client workstation.

ANE4258E The deployment manager received the Windows "OpenSCManager failed" error message.

Explanation: The deployment manager could not connect to the Windows service control manager to start the client scheduler. In general, this error occurs because the user who is initiating the task does not have sufficient authority.

System action: Processing stops.
User response: Ensure that the user who starts the client scheduler has administrative privileges.

ANE4259E The client scheduler is not started as a root user.

Explanation: The client scheduler requires root user privileges to upgrade the client code.

System action: Processing stops.
User response: Log in as root and start the client scheduler.

ANE4260E The installation file system is not writeable.

Explanation: The deployment manager cannot write to the installation file system.

System action: Processing stops.
User response: Check the installation file system permissions. It is possible that the current client node runs in a virtualized environment using the client code installed in a shared storage of the physical environment. Reschedule the client deployment with the client node in the physical environment.

ANE4261E The deployment manager cannot upgrade the Backup-Archive Client.

Explanation: The Backup-Archive Client cannot be upgraded because either the current location is not the default installation location or the DSM_DIR, DSMI_DIR, DSM_CONFIG and DSMI_CONFIG environment variables are defined with a relative path and not an absolute path.

System action: Processing stops.
User response: Check the installation directory of the current Backup-Archive Client. If the Backup-Archive Client is not installed in the default location, manually upgrade the Backup-Archive Client. If the DSM_DIR, DSMI_DIR, DSM_CONFIG and DSMI_CONFIG environment variables are defined with a relative path,
**ANE4262E** The preview of the client installation failed.

**Explanation:** The deployment manager did not uninstall the current client. The client code is unchanged.

**System action:** Processing stops.

**User response:** Check the deployment manager log and trace files on the client workstation for specific issues identified during the preview. Reschedule a deployment after any issues are resolved.

**ANE4263E** The deployment manager failed to uninstall the backup-archive client.

**Explanation:** The deployment manager received an error while uninstalling the current client.

**System action:** Processing stops.

**User response:** Check the deployment manager log and trace files on the client workstation for more details on the error. You might have to manually uninstall the client.

**ANE4264E** The deployment manager failed to install the backup-archive client.

**Explanation:** The current client was uninstalled and the deployment manager received an error while installing the new client code.

**System action:** Processing stops.

**User response:** Check the deployment manager log and trace files on the client workstation for more details on the error. Manually install the new client after the issue is resolved.

**ANE4265I** Client deployment options are not specified in the scheduler command or from client services.

**Explanation:** The default client options file will be used. The deployment manager might not report the correct server and node information when reporting status.

**System action:** Processing continues.

**User response:** Avoid initiating the client deployment directly from the command-line, instead, always start the client scheduler as a Windows service.

**ANE4266I** The deployment manager failed to install non-English language pack(s).

**Explanation:** The previous packages were uninstalled, and the installation of one or more new language packs were not successful.

**System action:** Processing continues.

**User response:** Check the deployment trace file on the client workstation for specific language pack information.

**ANE4267I** The deployment manager failed to install the hardware plugin package.

**Explanation:** The previous package was uninstalled. The installation of the new hardware plugin package failed.

**System action:** Processing stops.

**User response:** Check the deployment trace file on the client workstation.

**ANE4268I** The deployment manager failed to install the journal-based backup package.

**Explanation:** The previous journal-based backup package was uninstalled. The new journal based backup package installation failed.

**System action:** Processing stops.

**User response:** Check the deployment trace file on the client workstation.

**ANE4269W** The deployment manager is stopping the scheduler and/or CAD processes.

**Explanation:** Before deploying the new client, the deployment manager must stop the scheduler and CAD processes. After the deployment, the processes must be restarted.

**System action:** Processing continues.

**User response:** The client scheduler is interrupted during the deployment.

**ANE4270I** The deployment manager and the new client installation packages were downloaded to directory: *file name*.

**Explanation:** The download directory contains everything required to complete the new client deployment. Deployment log and trace files can be found in the log/ sub-directory.

**System action:** Processing continues.

**User response:** Obtain log and trace files from the download directory for problem determination. The files are found within the log/ sub-directory.
ANE4271E  The deployment package is missing one or more required installation image files.

Explanation: The client deployment package might not have been imported correctly to the server. It is possible that the deployment package is not retrieved completely to the client computer, due to a lack of disk space.

System action: Processing stops.

User response: Ensure that client packages are available on the server and there is sufficient disk space on the client computer. Check the backup-archive client error log file for more detailed error messages.

ANE4272E  The processor type of the package: *package processor type* does not match the current client: *system processor type*.

Explanation: The processor type supported by the client package that you want to deploy does not match the processor type of the workstation that you are trying to deploy the client to. It is not always possible for the deployment manager to connect to the server and report the error.

System action: Processing stops.

User response: Verify that you are using the correct client package for the processor architecture of the computer that you want to upgrade. Then restart the deployment.

ANE4273E  The deployment manager detected a journal based backup (JBB) client on the workstation where it needs to deploy the Backup-Archive Client.

Explanation: An attempt was made to deploy the Backup-Archive Client to a workstation that already has the JBB client installed. On some platforms, the Backup-Archive Client cannot be deployed to a workstation that has the JBB client installed.

System action: Processing stops.

User response: Uninstall the JBB client and reschedule the Backup-Archive Client deployment.

ANE4274E  The deployment manager cannot stop the scheduler or the CAD processes.

Explanation: The deployment manager tried to shut down the Backup-Archive Client scheduler or CAD processes but the Backup-Archive Client might be busy with other tasks.

System action: Processing stops.

User response: Reschedule the Backup-Archive Client deployment.

ANE4275E  The deployment manager cannot restart the scheduler or the CAD processes.

Explanation: Before exiting, the deployment manager could not restart the Backup-Archive Client scheduler or CAD processes. The deployment manager stopped the processes prior to the client upgrade.

System action: Processing continues.

User response: Log on to the Backup-Archive Client workstation and check the error log file. If you have set environment variables make sure they are not defined using relative path.

ANE4276E  The deployment manager cannot obtain information about the scheduler or the CAD processes.

Explanation: The deployment manager needs process information in order to stop and restart the Backup-Archive Client scheduler or CAD processes.

System action: Processing stops.

User response: Log on to the Backup-Archive Client workstation and check the error log file and the deployment manager error log file.

ANE4277E  The deployment manager cannot obtain information about the Logical Volume Snapshot Agent (LVSA).

Explanation: The deployment manager needs to determine whether an LVSA is installed on the client workstation.

System action: The deployment is canceled.

User response: Ensure that the TSM version being deployed is supported by the target operating system.

ANE4278E  The deployment manager cannot obtain information about the Logical Volume Snapshot Agent (LVSA).

Explanation: The deployment manager needs to determine whether an LVSA is installed on the client workstation.

System action: Processing stops.

User response: Log on to the Backup-Archive Client workstation and check the error log file and the deployment manager error log file.

ANE4279I  Server information is not available in the deployment schedule.

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
ANE4280E  Automatic client deployment is not allowed on the client workstation.

Explanation: One or more of the running client services include AUTODEPLOY = NO in the option file.

System action: Processing stops.

User response: Change the AUTODEPLOY option on the client and reschedule the client deployment.

ANE4281E  The update manager cannot remove the TIVsmCapi package from non-global zone(s): zone name.

Explanation: APAR IC57433 prevents the removal of the TIVsmCapi package on Solaris on a sparse-root, non-global zone if uninstalling is done from the global zone.

System action: Processing stops.

User response: Manually uninstall the Tivoli Storage Manager client directly from the non-global zones and reschedule the deployment.

ANE4282E  Sparse-root non-global zone(s) were found with Tivoli Storage Manager Backup-Archive Client that was installed from the non-global zone: zone names.

Explanation: One or more non-global zones are sharing the /usr file system with the global zone. The Tivoli Storage Manager Backup-Archive Client is installed in the global zone with the -G parameter and also installed manually in the non-global zone(s). You cannot update the Tivoli Storage Manager Backup-Archive Client in the global zone because it will update the version of GSKit that is shared with the sparse-root non-global zones that are not part of the automatic deployment.

System action: Processing stops.

User response: Manually upgrade the Backup-Archive Client or install it from the global zone without using the -G parameter. This ensures that you have the same version between the global zone and the sparse-root non-global zones, and you can then deploy the client automatically on all such zones.

ANE4283E  There is not enough disk space on path to uncompress GSKit packages.

Required space: req_space bytes;
available space: avail_space bytes.

Explanation: The deployment manager determined that there is not enough free disk space to uncompress GSKit packages.

System action: Processing continues.

User response: Free up the required amount of disk space and reschedule the automatic client deployment.

ANE4284E  The deployment is cancelled because an automatic client deployment task was scheduled for a sparse-root, non-global zone that shares the /usr file system with the global zone.

Explanation: The automatic client deployment task that was attempted is not supported and will be cancelled.

System action: Processing stops.

User response: Install the Backup-Archive Client from the global zone or manually upgrade the Backup-Archive Client.

ANE4285E  The update restore operation to an existing virtual machine 'VmName' failed. The virtual machine is not in power off state.

Explanation: The update restore operation to an existing virtual machine is not supported for a running machine and will be aborted.

System action: Restore aborted.

User response: Turn off the virtual machine and re-run the update restore command.

ANE4286I  SCHEDULE_NAME= 'SCHEDULE_NAME'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4289I  Backup of VMware vApp 'vApp name' in Organization VDC 'Org VDC name' of organization 'Org name' completed successfully mode: 'Incremental Forever - full_or_incr' target node name: 'target_node_name' data mover node name: 'data_mover_node_name' VMs backup status: number of VM backed up out of number of VMs in vApp VMS backed up successfully

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.
ANE4290E  Only one virtual machine can be selected for restore.

Explanation:  Restoring multiple virtual machines is not allowed. Only one virtual machine can be selected for restore.

System action:  No processing occurs.

User response:  Select only one virtual machine for restore.

ANE4291E  Virtual Machine could not be found on VMware server.

Explanation:  The backup of virtual machine failed.

System action:  The backup of the virtual machine finished with failures. The next virtual machine in the vmList will be processed. The reason for the failure is written to the local client error log.

User response:  Check the local client error log for reason for the failure.

ANE4292E  No virtual machine found.

Explanation:  No virtual machine found with name or specified in domain option.

System action:  Processing stopped.

User response:  Specify a correct VM name or domain option.

ANE4293E  Backup of VMware vApp 'vApp name' in Organization VDC 'Org VDC name' of organization 'Org name' failed.

Explanation:  The vApp backup operation failed. This error message is a summary message and does not contain detailed information.

System action:  The configuration information and VMs for the specified vApps are not backed up. Processing continues to the next vApp.

User response:  Check the previous messages in the dsmerror.log file for more details about this vApp.

ANE4294I  Total number of vApps processed: total number Number of vApps backed up successfully: total number Number of vApps failed: total number

Explanation:  This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action:  Processing continues.

User response:  None required.

ANE4295W  architecture, schedule-name, domain-name:  The client deployment was not completed pending the restart of the client computer. The deployment manager did not restart the client computer automatically because the AUTODEPLOY option was set to NOREBOOT.

Explanation:  The previous client has been uninstalled, and the installation of the new client was not completed pending the restart of the client computer. The architecture of the client, schedule name, and domain name are identified at the beginning of the message text.

System action:  The Deployment Manager process completes.

User response:  Manually restart the client computer as soon as possible.

ANE4296I  architecture, schedule-name, domain-name:  The client deployment was completed successfully, and the client computer is being restarted.

Explanation:  Restarting the computer is required to complete the client deployment. The architecture of the client, schedule name, and domain name are identified at the beginning of the message text.

System action:  The Deployment Manager process completes. The client computer will be shut down and restarted.

User response:  None

ANE4297W  architecture, schedule-name, domain-name:  Client deployment was completed with warnings: warnings.

Explanation:  This message is a generic warning message. It is possible that other messages provide details of the deployment. The architecture of the client, schedule name, and domain name are identified at the beginning of the message text.

System action:  The Deployment Manager process completes.

User response:  Check the warning messages from the server administration center, the server activity log, or error log on the client computer for more information.

ANE4298E  architecture, schedule-name, domain-name:  The client deployment was canceled. The previous event causing the cancellation is: event.

Explanation:  This message is a generic message that the client deployment was canceled. The Deployment Manager does not uninstall or update the current client. It is possible that the other messages provide details of
ANE4299E • ANE4305W

**ANE4299E architecture, schedule-name, domain-name:**
The client deployment failed. The previous event causing the failure is:
  *event*.

**Explanation:** This message is a generic message that the client deployment failed. It is possible that other messages provide details of the failure. The architecture of the client, schedule name, and domain name are identified at the beginning of the message text.

**System action:** Processing stops.

**User response:** Check the warning messages from the server administration center, the server activity log, or error log on the client computer for more information.

**ANE4305W Backup of VMware vApp 'vApp name' in Organization VDC 'Org VDC name' of organization 'Org name' completed. Some VMs were not backed up. mode: 'Incremental Forever - full_or_incr' target node name: 'target_node_name' data mover node name: 'data_mover_node_name' VMs backup status: number of VM backed up out of number of VMs in vApp VMs backed up successfully.

**Explanation:** The vApp backup operation completed successfully. However, one or more VMs for the specified vApp were not backed up. These VMs will not be created during the restore operation.

**System action:** Processing continues to the next vApp.

**User response:** Check the dsmerror.log file for this vApp for more information about this message. Resolve the problem, then try the operation again.

**ANE4302W IBM Tivoli Storage Manager failed to detect if Microsoft Active Directory Domain Controller on virtual machine 'VM'.**

**Explanation:** There was an error while checking if the virtual machine contains Microsoft Active Directory Domain Controller.

**System action:** IBM Tivoli Storage Manager continues backing up this virtual machine.

**User response:** Check IBM Tivoli Storage Manager error log for additional information.

**ANE4303E The vCloud Director vApp 'vapp-name' has not been previously backed up.**

**Explanation:** The specified vCloud Director vApp has not been previously backed up, so cannot be specified for restore.

**System action:** The specified vCloud Director vApp is skipped, and the next vApp in the restore list is processed.

**User response:** Verify the vCloud Director vApp name to be restored, and re-try the operation.

**ANE4304I IBM Tivoli Storage Manager could not detect the TSM for VE license. Active Directory Domain Controller will not be protected on VM 'VM'.**

**Explanation:** The virtual machine contains Microsoft Active Directory Domain Controller, but a TSM for VE license is not detected. The Domain Controller will not be protected.

**System action:** Install TSM for VE 7.1 or later to protect Active Directory.

**User response:** None
ANE4324I  Starting backup of VMWare vCloud Director vApp 'vapp name' from organization VDC 'org vdc name' of organization 'org name'. mode: 'full_or_incr' target node name: 'target_node_name' data mover node name: 'data_mover_node_name' number of virtual machines: 'num vms'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4900W  Schedule 'schedule-name' has opened a new session with the server.

Explanation: A scheduled event ends because of a connection failure. The scheduled event had to be restarted outside its normal startup window to continue the operation.

System action: The scheduled event is completed using more than one session.
User response: None required. If this is a recurrent condition, you may want to check for network problems.

ANE4901E  The following object contains one or more unmatched quotation marks and cannot be processed: 'filespace path filename'.

Explanation: The file name in the file list contains unmatched quotes. If a line in the file list begins with a single or double quotation mark this quotation mark is considered to be an opening quotation mark. The corresponding closing quotation mark of the same type must be at the end of the line. If there is no closing quotation mark or the closing quotation mark has been encountered in the middle of the line, it is an invalid input.

System action: The object is skipped.
User response: Correct the specification of the object.

ANE4902I  Starting instant access of VMware Virtual Machine 'vmname' target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4903I  Successful instant access of VMware Virtual Machine 'vmname' target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4904E  Instant access of VMware Virtual Machine 'vmname' failed. target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: The instant access of the virtual machine failed.

System action: The instant access of the virtual machine finished with failures. The reason for the failure is written to the local client error log.
User response: Check the local client error log for reason for the failure.

ANE4905I  Starting instant restore of VMware Virtual Machine 'vmname' target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4906I  Successful instant restore of VMware Virtual Machine 'vmname' target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4907E  Instant restore of VMware Virtual Machine 'vmname' failed. target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: The instant restore of the virtual machine failed.

System action: The instant restore of the virtual machine finished with failures. The reason for the failure is written to the local client error log.
User response: Check the local client error log for reason for the failure.

ANE4908I Starting cleanup of VMware Virtual Machine 'vmname' from snapshot of 'origvmname' target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4909I Successful cleanup of VMware Virtual Machine 'vmname' from snapshot of 'origvmname' target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4910E Cleanup of VMware Virtual Machine 'vmname' failed. target node name='target_node_name', data mover node name='data_mover_node_name'

Explanation: The cleanup of the virtual machine failed.

System action: The cleanup of the virtual machine finished with failures. The reason for the failure is written to the local client error log.

User response: Check the local client error log for reason for the failure.

ANE4911I VMware Virtual Machine 'vmname' is ready for use

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4912I Backup for 'Data Protection Product' started successfully.

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4913I Backup for 'Data Protection Product' finished.

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4939I Total snapshot difference objects: Number

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4940I Backing up object 'writer-name' component 'component-name' using shadow copy.

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4941I Backup of object 'writer-name' component 'component-name' finished successfully.

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4942E The file specification 'string' is invalid.

Explanation: The operating system indicated that the file specification is invalid. One possible reason is that the file specification contains unrecognized characters. Another possible cause is incorrect use of quotation marks in the file specification.

System action: Processing stopped.

User response: Enter a correct file specification as described in the Using the Backup-Archive Client book for the particular operating system. Ensure that the file specification contains valid characters. Verify correct use of quotation marks for specifications that contain blanks spaces. If multiple file specifications are used, make sure that any use of quotation marks does not
cause the file specifications to be treated as a single file specification.

ANE4943I  Existing filespace name 'filespace-name'
has been renamed to 'filespace-name'

Explanation:  This message reports statistics or
information for a client operation performed to this
server. This is logged for informational purposes.

System action:  Processing continues.
User response:  None required.

ANE4944I  Virtual machine: 'vm-name' disk:
'disk-name' is excluded by user.

Explanation:  This message reports statistics or
information for a client operation performed to this
server. This is logged for informational purposes.

System action:  Processing continues.
User response:  None required.

ANE4945I  Virtual machine: 'vm-name' disk:
'disk-name' is included by user.

Explanation:  This message reports statistics or
information for a client operation performed to this
server. This is logged for informational purposes.

System action:  Processing continues.
User response:  None required.

ANE4946W  Warning: virtual machine: 'vm-name' disk:
'disk-name' excluded by user, was
not found.

Explanation:  The specified virtual disk does not exist
on the virtual machine.

System action:  Processing continues.
User response:  Use the "dsmc backup vm ...
command with the -preview option to display a listing
of the disk labels which exist on the virtual machine.
Check the spelling of the disk label and correct the disk
label and then retry the 'backup vm' operation.

ANE4947E  Error: virtual machine: 'vm-name' disk:
'disk-name' included by user, was not
found.

Explanation:  The specified virtual disk does not exist
on the virtual machine.

System action:  Processing stops.
User response:  Use the "dsmc backup vm ...
command with the -preview option to display a listing
of the disk labels which exist on the virtual machine.
Check the spelling of the disk label and correct the disk
label and then retry the 'backup vm' operation.

ANE4948E  A specified virtual disk was not found
on the virtual machine.

Explanation:  You must specify a virtual disk label
name which exists on the virtual machine.

System action:  Processing stops.
User response:  For a backup operation, use the "dsmc
backup vm ...
command with the -preview option to
display a listing of the disk labels which exist on the
virtual machine. For a restore operation, use the "dsmc
query vm ...
command with the -detail option to
display a listing of the disk labels which exist on the
virtual machine backup. Check the spelling of the disk
label and correct the disk label and then retry the
operation.

ANE4949I  Virtual machine: 'vm-name' disk:
'disk-name' was excluded when the
backup was performed.

Explanation:  This message reports statistics or
information for a client operation performed to this
server. This is logged for informational purposes.

System action:  Processing continues.
User response:  None required.

ANE4950I  Virtual machine: 'vm-name' disk:
'disk-name' is excluded from restore by
user.

Explanation:  This message reports statistics or
information for a client operation performed to this
server. This is logged for informational purposes.

System action:  Processing continues.
User response:  None required.

ANE4951I  Total number of objects assigned:
Number of objects

Explanation:  This message reports statistics or
information for a client operation performed to this
server. This is logged for informational purposes.

System action:  Processing continues.
User response:  None required.

ANE4952I  Total number of objects inspected:
Number of objects

Explanation:  This message reports statistics or
information for a client operation performed to this
server. This is logged for informational purposes.
ANE4953I Total number of objects archived: *Number of objects*
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4954I Total number of objects backed up: *Number of objects*
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4955I Total number of objects restored: *Number of objects*
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4956I Total number of objects retrieved: *Number of objects*
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4957I Total number of objects deleted: *Number of objects*
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4958I Total number of objects updated: *Number of objects*
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4959I Total number of objects failed: *Number of objects*
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4960I Total number of objects rebound: *Number of objects*
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4961I Total number of bytes transferred: *Number of bytes*
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4962I Average file size: *Size*
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4963I Data transfer time: *Transfer time sec*
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4964I Elapsed processing time: *Elapsed time*
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.
ANE4965I  **Total number of subfile objects:** Number of objects
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4966I  **Network data transfer rate:** Transfer rate KB/sec
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4967I  **Aggregate data transfer rate:** Transfer rate KB/sec
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4968I  **Objects compressed by:** Number%
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4969I  **Subfile objects reduced by:** Number%
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4970I  **Total number of objects expired:** Number of objects
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4971I  **LanFree data bytes:** Number of bytes
Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.
System action: Processing continues.
User response: None required.

ANE4972W  **File server file-server-name has been upgraded to Data ONTAP version 'version.modification.submodification'. This version does not support unicode file names for snapshot difference incremental backup. Upgrade to a version that supports unicode file names as soon as possible.**
Explanation: The file server has been upgraded from a version that supports unicode file names for incremental backup using snapshot difference to a version that does not. If you have upgraded from Data ONTAP version 7.3.3 (or later) to 8.0, you lose the ability to back up files with unicode file names when performing snapshot difference incremental backup.
System action: Processing continues. However, files with unicode names are not backed up.
User response: Upgrade to a version that supports unicode file names as soon as possible. If you have upgraded from Data ONTAP version 7.3.3 (or later) to 8.0, upgrade to 8.1 (or later). If it is not possible to upgrade at this time, you can suppress this warning message by renaming the file space on the IBM Tivoli Storage Manager server and performing a snapshot difference incremental backup.

ANE4973E  **An error occurred accessing NTFS security information for file 'filespace namepath-namefile-name'**
Explanation: An access denied error occurred while attempting to access NTFS security information.
System action: The object is skipped.
User response: See your system administrator or bypass the failing check by using SkipNTSecurity option.

ANE4974E  **Error processing 'filespace namepath-namefile-name': a required NT privilege is not held.**
Explanation: The user account running TSM does not possess a required NT user right/privilege for performing the current operation.
System action: The object is skipped.
User response: Your system administrator has the authority to grant the needed privilege.
ANE4975I  Total number of bytes processed:
Number of bytes

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4976I  Total data reduction ratio: Number%

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4977I  Total number of bytes inspected: bytes

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4980I  Total Bytes Inspected:

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4981I  Deduplication reduction: Number%

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4982I  Total objects deduplicated: Number of objects

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4983I  Files Deduplicated:

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4984I  Total bytes before deduplication: number of bytes

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4985I  Session

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.

ANE4986I  Node

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.
User response: None required.
ANE4987E Error processing 'filespace namepath-namefile-name': the object is in use by another process

Explanation: The specified file is being used by another process. You tried to read from or write to a file that is currently being used by another process.

System action: File skipped.

User response: Ensure that the file is not locked by another process. If the file is not locked, retry the command.

ANE4988W File 'filespace namepath-namefile-name' is currently unavailable on server and has been skipped.

Explanation: You tried to restore or retrieve a file that is currently not available from the TSM server. This is most likely a temporary condition.

System action: TSM cannot restore or retrieve the file.

User response: Try to restore or retrieve the file again after the file becomes available on the server. If the problem persists, see your TSM administrator for assistance.

ANE4989E Error processing 'filespace namepath-namefile-name': the directory is in use by another process. All objects in the directory and any of its subdirectories are skipped.

Explanation: The specified directory is being used by another process. You tried to read from or write to a directory that is currently being used by another process. The objects contained in the directory and its subdirectories are not backed up.

System action: Processing stopped for that directory. If other files and directories were also specified in this backup, they are processed.

User response: Ensure that you specified the correct directory name, correct the permissions, or specify a new location. If the directory name is correct, retry the backup when no process has exclusive use of the directory.

ANE4990I @1%s @2%s @3%s

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4991I Application Type Application Message Id Application Message

Explanation: This is a message sent by the application you are currently running with TSM.

System action: TSM logs the application message.

User response: Refer to the documentation for the application that you are using.

ANE4992W Application Type Application Message Id Application Message

Explanation: This is a message sent by the application you are currently running with TSM.

System action: TSM logs the application message.

User response: Refer to the documentation for the application that you are using.

ANE4993E Application Type Application Message Id Application Message

Explanation: This is a message sent by the application you are currently running with TSM.

System action: TSM logs the application message.

User response: Refer to the documentation for the application that you are using.

ANE4994S Application Type Application Message Id Application Message

Explanation: This is a message sent by the application you are currently running with TSM.

System action: TSM logs the application message.

User response: Refer to the documentation for the application that you are using.

ANE4995I @1%s @2%s @3%s

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.

ANE4996I Application Type Application Message Id Application Message

Explanation: This message reports statistics or information for a client operation performed to this server. This is logged for informational purposes.

System action: Processing continues.

User response: None required.
ANE4997E  Error processing 'filespace
namepath-namefile-name': file system quota
reached condition - no space left.

Explanation: No more files can be restored or
retrieved because the quota of the destination file
system has been reached.

System action: The client prompts you for action:
• Retry this object
• Skip this object
• Abort the action

User response: Select the appropriate action for this
object. Create some free space or increase the quota on
the destination file system before you retry the
operation. Another option is to restore or retrieve the
file to another file system.

ANE4998E  Link information for file 'filename'
could not be obtained: access to the object is
denied.

Explanation: Access to the specified file link is denied.
You tried to read information for file link and you do
not have access permission for this object.

System action: Processing of System State stops.

User response: Try the operation again. If the problem
persists, contact IBM technical support for additional
assistance.

ANE4999I  The following message was too long to
log to the server: 'shortened message with
message number'

Explanation: The message text and inserts are too
large to send to the server in the available internal
buffer.

System action: The message number message is written
to the local client error log, then shortened and sent to
the server as a part of this message. The message is
reduced in length by substituting '...' in the middle of
the original message.

User response: The message referred to has been
shortened, but describes the error that occurred. See the
documentation for that message for more information.
Chapter 3. ANR messages

ANR messages are issued by IBM Tivoli Storage Manager server. Some ANR messages are common to all server platforms, and some are specific to platform.

ANR messages list

IBM Tivoli Storage Manager server ANR messages are listed in ascending numeric order. All parts of the message are documented, including message ID, message text, explanation, system action, and user response.

<table>
<thead>
<tr>
<th>ANR0010W</th>
<th>Unable to open message catalog for language language. The default language message catalog will be used.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The message catalog for the specified language could not be found.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The server continues to initialize with the default English message catalog.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>To resolve the issue, complete the following steps:</td>
</tr>
<tr>
<td></td>
<td>• If you specified a LANGUAGE option in the server options file, verify that you specified a supported language.</td>
</tr>
<tr>
<td></td>
<td>• If you specified environment variables for the system locale, ensure that you specified a supported locale and that the locale is installed on your system.</td>
</tr>
<tr>
<td></td>
<td>• Ensure that the Tivoli Storage Manager language package for the specified language is installed on your system.</td>
</tr>
<tr>
<td></td>
<td>• Restart the server.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0011W</th>
<th>Unable to set locale to first locale. Using locale second locale for message formatting.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The first locale could not be set.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The server continues to initialize using the second locale.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>To resolve the issue, complete the following steps:</td>
</tr>
<tr>
<td></td>
<td>• If you specified a LANGUAGE option in the server options file, verify that you specified a supported language.</td>
</tr>
<tr>
<td></td>
<td>• If you specified environment variables for the system locale, ensure that you specified a supported locale and that the locale is installed on your system.</td>
</tr>
<tr>
<td></td>
<td>• Restart the server.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0098W</th>
<th>This system does not meet the minimum memory requirements.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The minimum memory required is 12 GB. 16 GB is required if you are using data deduplication. At least 32 GB is needed for heavily used servers. Using 32 GB or more of memory enhances performance of the Tivoli Storage Manager server database inventory. If you plan to run multiple instances, each instance requires the memory listed for one server. Multiply the memory for one server by the number of instances planned for the system. Node replication processing requires additional memory. Use a minimum of 32 GB of memory for node replication without data deduplication. Node replication with data deduplication requires a minimum of 64 GB of memory. You will require an active log at least 64 GB in size to run replication. If replication and deduplication are both being used, an active log at least 128 GB in size is required.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Increase the amount of memory on the system.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0099W</th>
<th>This operating system is not supported.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The system has detected one of the following items:</td>
</tr>
<tr>
<td></td>
<td>• a release of the operating system that is not supported</td>
</tr>
<tr>
<td></td>
<td>• the required maintenance for the operating system is not installed</td>
</tr>
<tr>
<td></td>
<td>See the software requirements section in the information center for more details.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>See the software requirements section in the information center and upgrade to a supported operating system.</td>
</tr>
</tbody>
</table>

ANR0100E Source file(line number): Error error code creating table "table name".
ANR0101E • ANR0106E

Explanation: An internal error has occurred in an attempt to create a server database table. This message always accompanies another error message and provides more detail about that error.

System action: The activity that generated this error fails.

User response: Contact your service representative.

ANR0101E Source file (line number): Error error code
opening table "table name".

Explanation: An internal error occurred when a server database table was being accessed. This error message always accompanies another error message which provides more details about the error.

System action: The activity that generated this error fails.

User response: If the server or storage agent stops in response to a HALT command, you can ignore this error message.

ANR0102E Source file (line number): Error error code
inserting row in table "table name".

Explanation: An internal error occurred when data was added to a server database table. This error message always accompanies another error message which provides more details about the error.

System action: The activity that generated this error fails.

User response: An error occurred when a row was inserted into a server database table. Typically, this error causes an error code value of 1 to be displayed. An error code value of 1 indicates that the record being inserted already exists in the database. This type of error might be caused by a timing issue with the server or a synchronization issue involving server processes, client sessions, or other server actions. Review the activity log file to determine what operations were in progress and were affected by this error. Try the operation again and change the timing so that it does not run with the same processes or actions as when the error occurred.

ANR0103E Source file (line number): Error error code
updating row in table "table name".

Explanation: An internal error occurred when data was updated in a server database table. This error message always accompanies another error message which provides more details about the error.

System action: The activity that generated this error fails.

User response: An error occurred when a row was inserted into a server database table. Typically, this error causes an error code value of 2 to be displayed. An error code value of 2 indicates that the record being updated does not exist in the database. This type of error might be caused by a timing issue with the server or a synchronization issue involving server processes, client sessions, or other server actions. Review the activity log file to determine what operations were in progress and were affected by this error. Try the operation again and change the timing so that it does not run with the same processes or actions as when the error occurred.

ANR0104E Source file (line number): Error error code
deleting row from table "table name".

Explanation: An internal error occurred when data was being removed from a server database table. This error message always accompanies another error message which provides more details about the error.

System action: The activity that generated this error fails.

User response: An error occurred when a row was deleted from a server database table. Typically, this error causes an error code value of 2 to be displayed. An error code value of 2 indicates that the record being deleted does not exist in the database. This type of error might be caused by a timing issue with the server or a synchronization issue involving server processes, client sessions, or other server actions. Review the activity log file to determine what operations were in progress and were affected by this error. Try the operation again and change the timing so that it does not run with the same processes or actions as when the error occurred.

ANR0105E Source file (line number): Error setting
search bounds for table "table name".

Explanation: An internal error occurred when data was being accessed from a server database table. This error message always accompanies another error message which provides more details about the error.

System action: The activity that generated this error fails.

User response: Review the activity log file to determine what operations were in progress and were affected by this error. Try the operation again and change the timing so that it does not run with the same processes or actions as when the error occurred.

ANR0106E Source file (line number): Unexpected error
error code fetching row in table "table name".

Explanation: An internal error occurred when data was being accessed from a server database table. This error message always accompanies another error message which provides more details about the error.
**ANR0107W**  
Transaction transaction ID was not committed due to an internal error.

**Explanation:** An internal error was detected during transaction commit. This message is typically preceded by another error message which provides more details about the error.

**System action:** The activity that generated this error fails.

**User response:** Review the activity log to determine what operations were in progress and were affected by this error. Try the operation again and change the timing so that it does not run with the same processes or actions as when the error occurred.

---

**ANR0108E**  
Source file(line number): could not start a new transaction.

**Explanation:** An error occurred while attempting to start a new transaction. Possibly there is not enough memory.

**System action:** The activity that generated this error fails.

**User response:** See the documentation for the operating system about how to increase memory for an application.

---

**ANR0109E**  
Attempt number att_num Unable to load cryptography module from 'icc location'.

**Explanation:** An error occurred while attempting to load the cryptography module.

**System action:** The application will not start.

**User response:** Verify that the ICC cryptography directory is located in either the application root directory or the directory specified in the platform specific environment variable (the DMSERV_DIR for Unix platforms or the Windows registry).

---

**ANR0110E**  
An unexpected system date has been detected; the server is disabled. Verify the system date and use the ACCEPT DATE command to establish the current date as valid.

**Explanation:** The server has noted that the current system date is suspect. It is earlier than the server install date or has suddenly moved into the future by 30 days or more.

**System action:** The server is disabled for client, server and administrative access. Most server processes will not execute.

**User response:** If the current system date is not valid, reset the date. Use the ACCEPT DATE command to establish the current date as valid on the server. After executing this command, you can use the ENABLE SESSIONS ALL command to enable the server for sessions. Accepting an invalid date can cause any of the following problems: Premature deletion of data Excess retention of data Scheduling problems Event record problems Password expiration problems.

---

**ANR0111E**  
Command: The BEGINNODEID and ENDNODEID are both required to be specified.

**Explanation:** The BEGINNODEID and ENDNODEID are both required to be specified or neither of them are required.

**System action:** The server fails the command.

**User response:** Reissue the command, specifying both BEGINNODEID and ENDNODEID, or neither of them.

---

**ANR0112E**  
Command: The specified BEGINNODEID node id is greater than the ENDNODEID node id.

**Explanation:** Either the BEGINNODEID or the ENDNODEID is invalid because the value of the BEGINNODEID is greater than the ENDNODEID.

**System action:** The server fails the command.

**User response:** Reissue the command, specifying the ENDNODEID to be greater than the BEGINNODEID, or both to be equal.

---

**ANR0113E**  
Command: The storage pool list specified with the parameter parameter name includes storage pool storage pool name more than once for simultaneous write.

**Explanation:** The storage pool name specified has been specified more than once. The name occurs more than once in the COPYSTGPOOLS list, more than once in the ACTIVEDATAPOOLS list, or it has been specified in both lists.

**System action:** The command fails.

**User response:** Reissue the command specifying unique storage pool names.
ANR0114E  Command: The NUMBER parameter is required on this command. The current default value is 0.

Explanation: The NUMBER parameter is required for the FORMAT LFVOLUME COMMAND when the LFVOLUMEFORMATCOUNT option is set to 0.

System action: The command is not executed.

User response: Either reissue the command with the NUMBER parameter or else use the the SETOPT command to change the LFVOLUMEFORMATCOUNT value.

ANR0115W  The server script script name attempted to start more parallel commands than are allowed for a single script. A single script is limited to parallel command limit parallel commands.

Explanation: The server waits for all previous parallel commands started by the script to complete. When all previous parallel commands are complete, the server allows the script to continue. The script can attempt to start more parallel commands.

System action: The server waits for all previous parallel commands before allowing the script to continue.

User response: If you need to start more parallel commands than the script limit allows, modify the script to invoke multiple scripts in parallel, each of which can start multiple parallel commands, up to the script limit.

ANR0116W  The server script script name attempted to start more parallel commands than are allowed for the server. The server is limited to parallel command limit parallel commands.

Explanation: The server waits for all previous parallel commands started by the script to complete. When all previous parallel commands are complete, the server allows the script to continue. The script can attempt to start more parallel commands. If the limit is exceeded, the command will run serially.

System action: The server waits for all previous parallel commands before allowing the script to continue.

User response: Reduce the number of parallel commands or scripts that are running on the server at any one time.

ANR0117E  The server contains stored data. Archive data retention protection cannot be changed.

Explanation: The archive data retention protection state cannot be changed while the server contains any backup, archive, or space-managed data.

System action: Processing continues.

User response: In order to change the archive data retention protection state, the server must contain no backup, archive, or space-managed data. Either re-initialize the server database, or delete all stored data and try the command again.

ANR0118W  The client option client option is not valid and will not be sent to the client. Use the INCLEXCL option instead.

Explanation: The client options INCLUDE and EXCLUDE are not valid and have been replaced by the combined INCLEXCL. If INCLUDE and EXCLUDE are used in client option sets, use the INCLEXCL option along with the specific include or exclude option that you want the clients to use.

System action: The option is ignored and is not sent to the client. The server continues processing.

User response: Client options INCLUDE and EXCLUDE are not valid; use the INCLEXCL option along with the specific include or exclude option that you want the clients to use.

ANR0119W  The client option client option is not valid and will not be sent to the client. Delete it from client option set.

Explanation: The client option is not supported by this server and should be deleted from the client option set.

System action: The option is ignored and is not sent to the client. The server continues processing.

User response: Delete the option from the option set. Check the documentation for a possible replacement for the option.

ANR0120I  Archive data retention protection is set to state of archive data retention protection.

Explanation: The archive data retention protection state has been set.

System action: Processing continues.

User response: None.

ANR0121E  command is not allowed when archive data retention is enabled.

Explanation: The specified command is not allowed when archive data retention protection is enabled on the server.

System action: Processing continues.

User response: None.
ANR0122E  command: A node cannot be assigned to a new domain when archive data retention is enabled.

Explanation: A previously defined node cannot be assigned to a new domain when archive data retention protection is enabled on the server.

System action: Processing continues.

User response: None.

ANR0123E  command: A device type of SERVER is not allowed when archive data retention is enabled.

Explanation: The specified device type is not allowed when archive data retention protection is enabled on the server.

System action: Processing continues.

User response: None.

ANR0124W  Object object name (object id hi) for node node name (node id), filespace filespace name (filespace id) is retention protected and can not be deleted.

Explanation: The specified object can not be deleted because:
- Archive retention protection is enabled and the object's retention period has not elapsed, or
- The object is part of a deletion hold.

System action: Server operation continues.

User response: None.

ANR0125W  DELETE FILESPACE filespace name for node node name contains retention protected data and cannot be deleted.

Explanation: The specified file space cannot be deleted because it contains one or more objects that must be retained for one of the following reasons:
- Archive retention protection is enabled and the object's retention period has not elapsed.
- The object is part of a deletion hold.

System action: The file space is not deleted.

User response: None.

ANR0126W  DELETE VOLUME: Volume volume name contains retention protected data and can not be deleted.

Explanation: The specified volume cannot be deleted because it contains one or more objects that must be retained because of one of the following:
- Archive retention protection is enabled and the object's retention period has not elapsed.

ANR0127E  command to another server is not allowed when data retention protection is enabled on the target server.

Explanation: The specified command is not allowed when data retention protection is enabled on the target server.

System action: Processing continues.

User response: None.

ANR0128W  The previous database upgrade did not complete successfully.

Explanation: At server startup, the server discovered that a previously started database upgrade operation did not complete successfully. To complete the database upgrade, specify the UPGRADEDB parameter when starting the server.

System action: Processing continues.

User response: Check the server error messages on console to determine the reason the previous database upgrade did not complete successfully. Correct the problem, and perform the database upgrade again, if possible. If the problem cannot be corrected, contact your service representative.

ANR0129I  Database upgrade completed successfully.

Explanation: The requested database upgrade operation completed successfully.

System action: Processing continues.

User response: None.

ANR0130E  Diagnostic(ID): Server LOG space exhausted.

Explanation: There is no space to write data to the server recovery log.

System action: The activity that generated this error fails.

User response: To increase the amount of log space available to the server, evaluate the directories and filesystem assigned to the ACTIVELOGDIR, ARCHIVELOGDIR, and ARCHFAILOVERLOGDIR. An out of log space condition may occur because the ACTIVELOGDIR location is full. Alternatively, an out of log condition may occur if the log files in the ACTIVELOGDIR which are no longer active can not be archived to the ARCHIVELOGDIR and ARCHFAILOVERLOGDIR locations. If necessary, a
larger ARCHIVELOGDIR or ARCHFAILOVERLOGDIR can be specified by updating this option in the
dmserv.opt file and then restarting the server.

ANR0131E  Diagnostic(ID): Server DB space exhausted.
Explanation: There is no space to write data to the server database.
System action: The activity that generated this error fails.
User response: To increase the amount of database space available to the server, an authorized administrator can add database volumes by using the DEFINE DBSPACE command. Once additional space has been added for the database, the server database manager will automatically extend into that space and use it.

ANR0132E  Diagnostic(ID): Memory allocation failed: object object name, size size.
Explanation: The server cannot obtain enough memory to create the object named.
System action: The activity that generated this error fails.
User response: See the documentation for the operating system about how to increase memory for an application.

ANR0133E  Error loading module modname: error string
Explanation: The error specified by error string occurred when the server attempted to load module modname
System action: Server operation continues, but the function provided by the module is not available.
User response: Refer to the error string and correct the condition causing the load to fail.

ANR0134W  There is an error reading from standard input; the console input daemon stopped.
Explanation: Warning: warning string
System action: Server operation continues, but standard input is not available.
User response: If the server was started in the background, there is no error, or else standard input is in an error state.

ANR0135I  Table maintenance performed successfully for processed tables of total tables.
Explanation: The server periodically performs maintenance on the database tables. The maintenance processing allows the database to update statistics used to determine how to best access a given table. The maintenance processing will periodically process all tables for the server. And during other processing cycles, it will only process those tables that have changes such as inserts, updates, or deletes for records in that table.
System action: Server operation continues.
User response: No user action required.

ANR0136I  Table updating statistics performed successfully for processed tables of total tables.
Explanation: The server periodically performs maintenance on the database tables. The maintenance processing allows the database to update statistics determine how to best access a given table. The maintenance processing will periodically process all tables for the server.
System action: Server operation continues.
User response: No user action required.

ANR0137E  Source file(line number): Error error code allocating num rows database rows.
Explanation: An internal error has occurred in an attempt to allocate storage for the requested number of database rows indicated.
System action: The activity that generated this error fails.
User response: Contact your service representative.

ANR0138E  Value primary logs for number of primary logs is invalid.
Explanation: The command has been issued with an invalid number of primary logs.
System action: Server installation stops.
User response: Reissue the command with a valid number of primary logs.

ANR0139I  This command has been disable for DB2.
Explanation: During DB2 development cycle. This command/function has been temporarily disable.
System action: System operation continues.
User response: None.
ANR0140I  Command: success. Node node_id_1 is granted proxy authority to node node_id_2.
Explanation: The command was successful.
System action: The server performs the command.
User response: None.

ANR0141E  Command: failed. Node node_id_1 was not granted proxynode authority to node node_id_2.
Explanation: The command fails if either of the nodes do not exist, or if the administrator issuing the command does not have sufficient authority.
System action: The server fails the command.
User response: Verify that both nodes exist and that the administrator has sufficient authority, then issue the command again.

ANR0142I  Command: success. Proxynode authority for node node_id_1 has been revoked from node node_id_2.
Explanation: The command was successful.
System action: The server performs the command.
User response: None.

ANR0143E  Command: failed. Proxynode authority for node node_id_1 has not been revoked to node node_id_2.
Explanation: The command fails if the administrator issuing the command does not have sufficient authority.
System action: The server fails the command.
User response: Check the help for the command and verify that the administrator has either system or unrestricted policy authority; then issue the command again.

ANR0144E  Command: failed. Node node_id_1 was not granted proxynode authority to node node_id_2 because node node_id_missing has not been defined to the server.
Explanation: The command failed because one of the nodes has not been defined to the server.
System action: The server fails the command.
User response: Verify that both nodes have been defined to the server, and then issue the command again.

ANR0145E  Command: failed. Node node_id_1 already has been granted proxynode authority to node node_id_2.
Explanation: The command failed because a proxy relationship between the two nodes already exists.
System action: The server fails the command, but does not change the existing association.
User response: None.

ANR0146E  Command: failed. Node node_id_1 was not granted proxynode authority to itself.
Explanation: The command failed because a node cannot have a proxy relationship defined to itself.
System action: The server fails the command.
User response: None.

ANR0147E  Command: failed. Proxy node authority for node node_id_1 to node node_id_2 was not revoked because node node_id_missing has not been defined to the server.
Explanation: The command failed because one of the nodes has not been defined to the server.
System action: The server fails the command.
User response: Verify that both nodes have been defined to the server, and then issue the command again.

ANR0148I  Command: No proxy relationships were found.
Explanation: No proxy relationships were found.
System action: None.
User response: None.

ANR0149E  Filespace filespace for node node_name was deleted concurrently with the command.
Explanation: The command failed. The requested filespace was deleted concurrently with the command.
System action: The server will fail the command.
User response: Retry the command.

ANR0150E  Failed to open object object_name. There was an error decrypting the password_type password.
Explanation: The server could not open the object specified due to the error encountered while decrypting the password.
The server will fail the related command or action.

User response: Reset the password using the appropriate UPDATE command and retry the failing command or action.

Database manager fails to start. For more information about the failure, issue the db2start command.

Explanation: The server was unable to start the database manager. The following are possible causes:
- The database manager license key is invalid or missing.
- The server instance password was changed.

System action: Server initialization stops.

User response: For more information about the failure, try to start the database manager by issuing the db2start command, as in this example:
C:\Users\admin>db2start. You might receive messages similar to the following ones: SQL1397N The DB2 service failed to logon. SQL1032N No start database manager command was issued. SQLSTATE=57019. To determine the cause of the failure, evaluate recent changes to the server and review the system error logs. Information can be found in the DB2 diagnostic log file. If you are starting a DB2 server on a Windows platform, you can set the logon account for a DB2 service by using the Services dialog box from the Control Panel.

Database manager successfully started.

Explanation: The server was successfully able to start the database manager.

System action: The server operations continue.

User response: None.

Database manager already running.

Explanation: The server database manager is already running.

System action: The server continues startup.

User response: None.

Command: The active data pool list that you specified with the ACTIVEDESTINATION parameter includes active data pool name that is a duplicate. All names must be unique.

Explanation: You may enter up to 10 unique active data pool names specified with the ACTIVEDESTINATION parameter.

System action: The command fails.

User response: Reissue the command specifying unique active-data pool names.

Command: The number of active data pool names specified with the ACTIVEDESTINATION parameter cannot exceed 10.

Explanation: The maximum number of active data pool names that you can specify with the ACTIVEDESTINATION parameter is 10. You may enter up to 10 unique names, separated by commas.

System action: The command fails.

User response: Reissue the command specifying up to 10 unique active-data pool names separated only by commas.

Command: The pool active data pool name with pool ID pool ID is not an active pool.

Explanation: The storage pool specified is not an active-data pool. Only active-data pools are allowed to be specified in the ACTIVEDESTINATION parameter.

System action: The command fails.

User response: Reissue the command specifying ten or fewer active-data pool names.

Database operation table operation for table table name failed with result code op code and tracking ID: id.

Explanation: An error occurred during the specified table operation for the table indicated.

System action: The activity that generated this error fails.

User response: If there were no operational failures as a result of issue, then this was anticipated and the server was able to continue appropriately. If this resulted in a failure for a client session or server process, this information is needed to help diagnose the issue. In the even of a failure, please contact your IBM service representative for further assistance.

Database operation table operation for table table name failed with operation code op code and tracking id tracking number. The data for column column number is: column data.

Explanation: An error occurred during the specified table operation for the table indicated.

System action: The activity that generated this error fails.

User response: If there were no operational failures as a result of issue, then this was anticipated and the
server was able to continue appropriately. If this resulted in a failure for a client session or server process, this information is needed to help diagnose the issue. In the event of a failure, please contact your IBM service representative for further assistance.

<table>
<thead>
<tr>
<th>ANR0159E</th>
<th>Diagnostic(ID): Database deadlock detected on DB2 Statement Handle.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The database server detected a deadlock situation and rolled back the outstanding work on this statement handle. When server processes encounter a database deadlock, they usually reattempt the work that was in progress when the deadlock was encountered. Not all processes can explicitly try an operation again. For example, migration and reclamation will eventually be tried again. However, something such as a delete volume run in a macro will only be tried again if the delete command is reissued either in the macro or the command line.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The work being done on the statement handle is rolled back. Some processes will attempt to retry the request. Others will just stop. Server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>If a process can retry (like migration), then monitor the re-try attempt to see if it succeeds or not. If the process or command is not able to retry on its own, then reissue the command or macro that caused the action to occur.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0160I</th>
<th>Displaying segment segment number of total segments for client object object identifier with text: object name.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>Display a client object, such as a file or directory, that uses a long fully qualified name. The name is displayed in smaller segments until the entire name is shown. The segment numbers are incremented from 1 to N until all the segments for this object name are displayed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The fully qualified name for this object is displayed.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0161I</th>
<th>Displaying segment segment number for message insert insert identifier with text: segment text.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>Display a segment of a message insert that was too long to be displayed within the specified message. There may be one or more segments displayed for a given message insert.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The entire message insert segment is displayed.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

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<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The dbReturnCode, dbState, and dbCode are displayed as supplemental information. This information should be used in conjunction with any other database error or warning messages issues to assist with diagnosing a given issue.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The activity that generated this error fails.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None. This is supplemental information corresponding to another database error or warning message issued.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0163E</th>
<th>Diagnostic(ID): Database insufficient memory detected on DB2 Statement Handle.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The database server detected an insufficient memory condition and rolled back the outstanding work on this statement handle.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The work being done on the statement handle is rolled back. Server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>See the documentation for the operating system about how to increase memory for an application.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0165I</th>
<th>Inventory file expiration started processing for node nodename, filespace filesystem name, copygroup copygroup and object type type.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>Inventory file expiration processing started processing for the node name and filesystem name indicated. For this node name and filesystem name the indicated copygroup and object types are currently being evaluated.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Inventory file expiration continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>This message is for informational purposes only and is only displayed if the expiration processing is executed with QUIET=NO.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0166I</th>
<th>Inventory file expiration finished processing for node nodename, filespace filesystem name, copygroup copygroup and object type type with processing statistics: examined examined, deleted deleted, retrying retrying, and failed failed.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>Inventory file expiration processing finished processing for the node name and filesystem name indicated. For this node name and filesystem name the indicated copygroup and object types were evaluated. And the ending statistics show the number of objects examined, deleted, retrying and those that failed to be processed.</td>
</tr>
</tbody>
</table>
ANR0167I  Inventory file expiration continues.
System action: None.
User response: This message is for informational purposes only and is only displayed if the expiration processing is executed with QUIET=NO.

ANR0167I  Inventory file expiration process ID processed for minutes minutes.
Explanation: Server expiration processing ran for the indicated number of minutes.
System action: None.
User response: None.

ANR0168I  Analyst authority for administrator admin name will be ignored. Analyst authority is not supported on this server.
Explanation: Analyst authority is not supported for servers at V6.1 or later.
System action: The operation continues.
User response: None.

ANR0169E  An unexpected error has occurred and the TSM server is stopping.
Explanation: The TSM server encountered an error from which it cannot recover, and the server is halting. Other messages will be issued along with this message indicating the specific error conditions which have occurred.
System action: The server halts.
User response: Follow the instructions indicated in any associated messages, then start the server.

ANR0170E  Diagnostic(ID): Error detected on DB2 Statement Handle, database restart required.
Explanation: The TSM server encountered an error on the database and needs to issue a DB2 RESTART DB to the database manager. All connections to the database server are severed, and uncompleted operations are aborted. The TSM server will then restart the database and attempt to continue. If the database manager cannot be restarted, the TSM server will halt. Other messages may be issued along with this message indicating the specific error conditions which have occurred.
System action: The server continues, or if it cannot restart the database, it halts.
User response: If the server is able to recover, no action is needed, except to restart operations that were aborted. However, if the server cannot recover, it will halt. Follow the instructions indicated in any associated messages, then start the server. If the server still cannot be started, manually issue the DB2 RESTART DB command, then attempt to start the TSM server again.

ANR0171I  Diagnostic(ID): Error encountered performing action action.
Explanation: The TSM server encountered an error performing the specified database action. This error caused the action to fail and prevented the server from being able to continue.
System action: Server processing continues.
User response: This is an information message. As the TSM server attempts to resolve the error, it might issue other messages. Follow the instructions indicated in any associated messages.

ANR0173I  The database failed action action because of insufficient system memory available.
Explanation: The TSM server encountered an error while performing the specified action. Specifically, the server database did not have sufficient memory to communicate with the server database or was unable to acquire the memory needed for the server buffer pools.
System action: Server processing terminates, the requested action fails.
User response: In most cases, this indicates a lack of available resources on the system. This may be a lack of physical resources or it may be an environment setting that prevents the server from having access to the needed resources. For instance, on Linux systems, this may be caused by the SHMMAX value (maximum allowed shared memory) being set too low. On Linux, this can be viewed using the command "ipcs -l". Similarly, for Linux, this value can be increased using the command "sysctl -w kernel.shmmax=nnn" where nnn is the new maximum memory value to assign to be used for shared memory. As a general recommendation, this value should be set to approximately 1.25 GB or higher depending upon the actual physical memory (RAM) available on that system.
ANR0174E  Diagnostic(ID): Maximum DB2 connections reached on DB2 Handle.

Explanation:  There are no more available connections to the server database.

System action:  The activity that generated this error fails.

User response:  To increase the number of database connections available to the server, the DB2 administrator can modify the IDBACK parameter in the DSNzPARM settings.

ANR0175E  Diagnostic(ID): Space exhausted for one or more of the following: DB, LOG, or instance directory.

Explanation:  The space assigned to the server database, the recovery log, or instance directory has been exhausted.

System action:  The server terminates.

User response:  Review the filesystems or other space assigned to the server for the database, recovery log or instance directory. If the space assigned to the database is full, restart the server and add additional database space using the EXTEND DBSPACE command or use the DSMSERV EXTEND DBSPACE utility. If the server ACTIVELOGDIR is full, update this server option to a new location that has space available for the server to use for logging changes to the database. If the server instance directory is full, remove unneeded files or else extend this filesystem.

Please note that the server should be configured with the database, activelog, and archivelogs using different directories and storage devices. For example, if the database and activelog are configured to use the same directory and underlying storage device, this may adversely impact performance. This may also compromise the server's ability to manage the database and active log space effectively. Similarly, the server's instance directory should also be monitored and managed with some amount of space available. The server instance directory is used to record and log some server and database actions.

ANR0185E  The data in primary storage pool name cannot be copied to active data pool name.  The active-data pool is not defined to a domain.

System action:  The command fails.

User response:  Define the active-data pool to a domain using the ACTIVEDESTINATION parameter on either the DEFINE DOMAIN or UPDATE DOMAIN command.

ANR0186E  There is insufficient authority to start the database manager.

Explanation:  If the server is starting, then the user ID under which the dsmserv process is running does not have authority to start the database manager. If the server is running, it does not have sufficient authority to perform the server operations.

System action:  The server process ends, and the server stops if it is running.

User response:  Ensure that the user ID under which the server is running is authorized to start the database manager. Take the following actions:

- Log in to the user ID for your Tivoli Storage Manager instance and start the server.
  - To run the server using the root user ID on a UNIX system, add the root user ID to the primary group of the Tivoli Storage Manager instance user ID.
  - Or, to run the server using the instance user ID on a UNIX system, when using the automatic start, specify the -u option when you start the server.

ANR0187E  Database db name was not found.

Explanation:  The server attempted to open the database, but it was not found by the database manager. If this occurs immediately after formatting a new database, it could mean the format operation failed.

System action:  The server process ends.

User response:  Ensure that you format the database before starting it the first time. Ensure that all database and log directories are online and available.

ANR0188E  Fail to start the database manager. Database manager license not found

Explanation:  Could not find database manager license.

System action:  The server process ends.

User response:  Contact your service representative.

ANR0189E  Fail to start the database manager. Database manager license has expired

Explanation:  Database manager license has expired.

System action:  The server process ends.

User response:  Contact your service representative.

ANR0190I  Inventory file expiration started processing node node name for backup sets.

Explanation:  Expiration processing is currently evaluating information for backup sets for the node specified.
ANR0191I • ANR0200I

System action: Inventory file expiration continues.
User response: This message is for informational purposes only and is only displayed if the expiration processing is invoked with QUIET=NO.

ANR0191I Inventory file expiration finished processing node node name for backup sets with processing statistics: examined examined, deleted deleted, retrying retrying, and failed failed.
Explanation: Expiration processing has finished processing backup sets for the node specified. The ending statistics show the number of objects examined, deleted, and those that failed to be processed.
System action: Inventory file expiration continues.
User response: This message is for informational purposes only and is only displayed if the expiration processing is invoked with QUIET=NO.

ANR0193E The REPAIR EXPIRATION TYPE=type command cannot be issued from the server console.
Explanation: The specified REPAIR EXPIRATION command was issued from the server console. This command cannot be issued from the server console because the administrator must be prompted to continue processing the command.
System action: The server ignores the command and continues processing.
User response: Issue the command from an administrative client.

ANR0195W Attempting to remove extraneous database entries for volume volume name.
Explanation: The server is attempting to remove extraneous database entries for the specified volume.
System action: TSM will attempt to remove the extraneous database entries for this volume.
User response: Review the completion messages for this volume to determine if the removal of the extraneous database entries was successful or if an error was encountered.

ANR0196I Removal of extraneous database entries for volume volume name was successful.
Explanation: The server successfully removed extraneous database entries for the specified volume.
System action: System operation continues and future operations on the specified volume should work normally.
User response: The server successfully repaired the specified volume.

ANR0197E Removal of extraneous database entries for volume volume name failed due to contention with other server processes or activities.
Explanation: The server was not able to remove extraneous database entries for the specified volume. This was due to contention with another server process or activity.
System action: System operation continues and this volume still has extraneous database entries.
User response: It is possible that future server activities or processes will select this volume and attempt to repair it. If this occurs and the future attempt is successful, no further action is needed. The server administrator should review the activity log for the time that the repair was attempted and try to determine what caused the contention. If you are unable to determine the cause of the contention of the problem persists, please contact your service representative for additional assistance.

ANR0198E Removal of extraneous database entries for volume volume name failed.
Explanation: The server was not able to remove extraneous database entries for the specified volume.
System action: System operation continues and this volume still has extraneous database entries.
User response: The server administrator should review the activity log for the time that the repair was attempted and try to determine the cause of the failure. If you are unable to determine the cause of the contention of the problem persists, please contact your service representative for additional assistance.

ANR0199W Not possible to repair volume volume name due to other database references to this volume.
Explanation: The server was not able to remove extraneous database entries for the specified volume because other database references to this volume exist.
System action: System operation continues.
User response: The volume repair operation for this volume is not able to take any action because other unexpected database references to this volume exist. For additional assistance contact your IBM service representative.

ANR0200I Recovery log assigned capacity is size megabytes.
Explanation: The amount of space allocated to the recovery log is shown.
System action: None.
ANR0201I  Database assigned capacity is size megabytes.

Explanation: The amount of space allocated to the database is shown.

System action: None.

User response: None.

ANR0202W  Database volume volume name varied offline due to excessive read errors.

Explanation: The database volume shown has been varied offline because too many read errors have been encountered.

System action: If available, a mirrored copy of the volume is used.

User response: Correct the cause of the read errors.

ANR0203W  Database volume volume name varied offline due to excessive write errors.

Explanation: The database volume shown has been varied offline because too many write errors have been encountered.

System action: If available, a mirrored copy of the volume is used.

User response: Correct the cause of the write errors.

ANR0204W  Recovery log volume volume name varied offline due to excessive read errors.

Explanation: The recovery log volume shown has been varied offline because too many read errors have been encountered.

System action: If available, a mirrored copy of the volume is used.

User response: Correct the cause of the read errors.

ANR0205W  Recovery log volume volume name varied offline due to excessive write errors.

Explanation: The recovery log volume shown has been varied offline because too many write errors have been encountered.

System action: If available, a mirrored copy of the volume is used.

User response: Correct the cause of the write errors.

ANR0206W  Partial write detected on database volume volume name, logical page logical page number (physical page physical page number).

Explanation: During a write of a database page, an error occurred so that the page was not completely written to disk.

System action: The failed I/O operation is retried on a mirrored volume.

User response: See accompanying messages for information about the volume in error.

ANR0207E  Page address mismatch detected on database volume volume name, logical page logical page number (physical page physical page number); actual: logical page number.

Explanation: During a read of a database page, the page does not contain the expected page address.

System action: The failed I/O operation is retried on a mirrored volume.

User response: See accompanying messages for information about the volume in error.

ANR0208W  Partial write detected on recovery log volume volume name, logical page logical page number (physical page physical page number).

Explanation: During a write of a recovery log page, an error occurs so that the page is not completely written to disk.

System action: The failed I/O operation is retried on a mirrored volume.

User response: See accompanying messages for information about the volume in error.

ANR0209E  Page address mismatch detected on recovery log volume volume name, logical page logical page number (physical page physical page number); actual: logical page number.

Explanation: During a read of a recovery log page, the page does not contain the expected page address.

System action: The failed I/O operation is retried on a mirrored volume.

User response: See accompanying messages for information about the volume in error.
ANR0210S  Inconsistency found in LVM data page
page number - partial write detected.

Explanation: During a write of an LVM internal page,
an error occurs so that the page is not completely
written to disk.

System action: The failed I/O operation is retried on a
mirrored volume.

User response: See accompanying messages for
information about the volume in error.

ANR0211S  Inconsistency found in LVM data page
page number - page address mismatch
(actual page number).

Explanation: During a read of an LVM internal page,
the page does not contain the expected page address.

System action: The failed I/O operation is retried on a
mirrored volume.

User response: See accompanying messages for
information about the volume in error.

ANR0212E  Unable to read disk definition file file
specification.

Explanation: At startup, the server cannot read the
indicated file in order to obtain a list of disk volumes
to mount.

System action: Server initialization fails.

User response: Use a text editor to recreate the file; it
should contain one line with the name of a single log
or database volume. Then restart the server.

ANR0213W  Unable to rewrite disk definition file.

Explanation: An error occurs trying to update the disk
definition file.

System action: None.

User response: Attempt to determine the cause of the
write error and correct it.

ANR0214W  Database volume volume name is in the
offline state - VARY ON required.

Explanation: At system startup, the server finds that
the specified database volume is in the offline state.

System action: The volume is not accessed.

User response: Determine the reason for the volume
being offline; if possible, vary it online.

ANR0215W  Recovery log volume volume name is in
the offline state - VARY ON required.

Explanation: At system startup, the server finds that
the recovery log volume shown is in the offline state.

System action: The volume is not accessed.

User response: Determine the reason for the volume
being offline; if possible, vary it online.

ANR0216I  Database volume volume name is in
the "stale" state - synchronization process
started.

Explanation: At system startup, the server finds that
the database volume shown is not synchronized.

System action: A process is started to synchronize the
volume.

User response: None.

ANR0217I  Recovery log volume volume name is in
the "stale" state - synchronization
process started.

Explanation: At system startup, the server finds that
the recovery log volume shown is not synchronized.

System action: A process is started to synchronize the
volume.

User response: None.

ANR0218I  Unable to install database volume
volume name - capacity must be at least 5
megabytes.

Explanation: An attempt has been made to add a
database volume that is smaller than the server
minimum.

System action: The volume is not added.

User response: Increase the size of the volume or
supply another larger volume.

ANR0219I  Unable to install recovery log volume
volume name - capacity must be at least 5
megabytes.

Explanation: An attempt has been made to add a
recovery log volume that is smaller than the server
minimum.

System action: The volume is not added.

User response: Increase the size of the volume or
supply another larger volume.
ANR0220I  Synchronization of database volume
volume name started as process process ID.

Explanation: A background process was started to
synchronize the contents of the database volume shown
with its copy volume. The background process was
assigned the process ID shown.

System action: The background process starts to
synchronize the volume and server operation continues.

User response: The administrator may query the
status of the background process by using the QUERY
PROCESS command, or cancel the process by using the
CANCEL PROCESS command.

ANR0221I  Synchronization of recovery log volume
volume name started as process process ID.

Explanation: A background process was started to
synchronize the contents of the recovery log volume
shown with its copy volume(s). The background
process was assigned the process ID shown.

System action: The background process starts to
synchronize the volume and server operation continues.

User response: The administrator may query the
status of the background process by using the QUERY
PROCESS command, or cancel the process by using the
CANCEL PROCESS command.

ANR0222E  Error action disk definition file file
specification.

Explanation: An error occurred creating or changing
the disk definition file.

System action: None.

User response: Attempt to determine the cause of the
write error and correct it.

ANR0223E  Error writing list of disks to disk
definition file.

Explanation: The disk definition file cannot be
written.

System action: Installation ends.

User response: Determine the cause of the write error
and correct it.

ANR0224E  Volume volume name is specified more
than once - server installation failed.

Explanation: The specified volume name was
specified more than once in the server installation
execution.

System action: Installation ends.

User response: Reinitialize the server installing
a unique name for each database and recovery log
volume.

ANR0225S  Invalid use of the -S command-line
option.

Explanation: The -S option cannot be specified on the
command line if the database ID file (dmserv.dbid) is
intact. This option is to be used only if the ID file does
not exist.

System action: The server will not start.

User response: Start the server without specifying the
-S command-line option.

ANR0226S  The database ID file could not be found
for server startup.

Explanation: The server's database ID file
(dmserv.dbid) could not be found. This file is created
when the database is formulated, is stored in the
directory from which the format is performed, and is
required for normal server operation.

System action: The server will not start.

User response: Ensure that you are starting the server
from the correct instance directory, and that the
dmserv.dbid file exists and can be read. If no
dmserv.dbid file exists, restart the server with the -S
option to create a new database ID file.

ANR0227S  Incorrect database opened. Server
cannot start.

Explanation: The ID of the database opened does not
match the ID stored in the database ID file
(dmserv.dbid).

System action: The server will not start.

User response: Ensure that you are in the proper
instance directory for the database being opened, and
that the environment is set up correctly. The instance
directory is generally the directory from which you
formatted the database, or, if on UNIX, have specified
with the -i command-line option.

When the ID of the database that is opened does not
match the ID that is stored in the database ID file
(dmserv.dbid), the server will not start. Use the -S
(skip DB ID check) parameter after deleting the
dmserv.dbid file. After the initial use of the -S
parameter in a restore scenario, the server creates a
new dmserv.dbid file in the instance directory.

ANR0228S  Error errno opening the database ID file
for server startup.

Explanation: The server's database ID file
(dmserv.dbid) could not be opened. The errno
indicates the reason for the failure.
System action: The server does not start.
User response: Ensure that you are starting the server from the correct instance directory, and that the dsmserver.dbid file has the correct ownership and permission. If the file is empty, erase the file, and restart the server with the -S command-line option to generate a new database ID file.

**ANR0229W** Server is unable to add entries to the Activity Log. Console messages will not be logged until database access is available.

Explanation: The process that monitors the default (console) output stream and maintains the activity log cannot update the activity log. The error is due to the inability of the server to access the server database.

System action: The server does not update the activity log. The activity log will continue to run and attempt to recover from this situation.
User response: Access to the server database is temporarily unavailable. The server database manager will attempt to recover from this situation and reestablish access to the server database. When access to the server database is reestablished, the activity log processing will continue. If the server database access fails to be reestablished, additional messages will be issued providing more information.

**ANR0230E** Synchronization process failed for database volume volume name.

Explanation: The process that was attempting to synchronize the database volume shown has failed.

System action: The volume is in the stale state.
User response: See accompanying messages for more information.

**ANR0231E** Synchronization process failed for recovery log volume volume name.

Explanation: The process that was attempting to synchronize the recovery log volume shown has failed.

System action: The volume is in the stale state.
User response: See accompanying messages for more information.

**ANR0232I** Synchronization process canceled for database volume volume name.

Explanation: The process that was attempting to synchronize the database volume shown has been canceled.

System action: The volume is in the stale state.
User response: If desired, issue a VARY ONLINE command to start another synchronize process.

**ANR0233I** Synchronization process canceled for recovery log volume volume name.

Explanation: The process that was attempting to synchronize the database volume shown has been canceled.

System action: The volume is in the stale state.
User response: If desired, issue a VARY ONLINE command to start another synchronize process.

**ANR0234I** Synchronization complete for database volume volume name.

Explanation: The synchronization process for the database volume named has finished successfully.

System action: The volume is varied online.
User response: None.

**ANR0235I** Synchronization complete for recovery log volume volume name.

Explanation: The synchronization process for the recovery log volume named has finished successfully.

System action: The volume is varied online.
User response: None.

**ANR0236E** Fail to start the database manager due to an I/O error. Check for filesystem full conditions, file permissions, and operating system errors.

Explanation: The TSM server encountered an I/O error while attempting to start the database manager.

System action: The server process ends.
User response: Review the filesystems assigned to the server for the database and recovery log.

**ANR0237E** Fail to start the database manager. An unexpected system error occurred.

Explanation: An unexpected system error occurred.

Some common reasons for this error are:
- The system name where you ran the server has been changed
- The system date and time is set incorrectly

System action: The server process ends.
User response: Contact your service representative.

**ANR0238E** A database recovery task is prohibiting activation of db name with sqlcode dbCode.

Explanation: While attempting to activate the database an error occurred because the database was busy
performing a BACKUP, RESTORE or was in ROLLFORWARD pending state. Examine the sqlcode to determine the condition that is preventing the database from activating. The following sqlcodes are most likely to occur during the activate database step and will prevent the server from starting. SQLE_RC_BKP_PEND (-1116) indicates a database BACKUP is pending and must complete prior to activating the database. Once the database BACKUP is complete, the database can be activated by starting the server.

SQLE_RC_ROLLFWD_PEND (-1117) indicates a database Roll Forward operation is pending and must complete before activating the database. After the Roll Forward recovery step is complete, the database can be activated by starting the server.

SQLE_RC_BKP_INPROG (-1118) occurs when an attempt to activate the database fails because a database BACKUP was in progress. Prior to activating the database, it is necessary to rerun database BACKUP. Once the database BACKUP completes successfully, the database can be activated by starting the server.

SQLE_RC_RST_INPROG (-1119) shows that a database RESTORE was in progress when the database failed to activate. The RESTORE database must be restarted and allowed to complete successfully before activating the database. Once the database RESTORE completes successfully, the database can be activated by starting the server.

SQLE_RC_BR_INPROG (-1120) means that either a database BACKUP or RESTORE must complete before activating the database. Ensure that either a BACKUP or RESTORE operation completes successfully before activating the database.

System action: The server is not started because the database cannot be activated.

User response: See message explanation for more information.

ANR0239E The DB2 instance name `instance name` may not be valid or is not configured properly. The return code was `sqlcode`.

Explanation: TSM Server attempted to connect using the database instance set by the `DB2INSTANCE` environment variable, but the attempt failed.

System action: The server is not started because the database instance is not valid.

User response: Verify that the database instance exists and that it is configured properly. You can list DB2 instances by issuing the `db2ilist` command from the instance directory, under the DB2 installation directory. Example: `c:\Program Files\tivoli\tsm\db2\instance\db2ilist`.

ANR0240E Deletion process failed for database volume `volume name`.

Explanation: The process that was attempting to delete the database volume shown has failed.

ANR0241E Deletion process failed for recovery log volume `volume name`.

Explanation: The process that was attempting to delete the recovery log volume shown has failed.

System action: The volume is not deleted.

User response: See accompanying messages for more information.

ANR0242I Deletion process canceled for database volume `volume name`.

Explanation: The process that was attempting to delete the database volume shown has been canceled.

System action: The volume is not deleted.

User response: None.

ANR0243I Deletion process canceled for recovery log volume `volume name`.

Explanation: The process that was attempting to delete the recovery log volume shown has been canceled.

System action: The volume is not deleted.

User response: None.

ANR0244I Deletion complete for database volume `volume name`.

Explanation: The delete process for the database volume named has finished successfully.

System action: The volume is deleted.

User response: None.

ANR0245I Deletion complete for recovery log volume `volume name`.

Explanation: The delete process for the recovery log volume named has finished successfully.

System action: The volume is deleted.

User response: None.

ANR0246E Error reading logical page `logical page number` (physical page `physical page number`) from database volume `volume name`.

Explanation: An error has been encountered when attempting to read a page from the specified database volume.
ANR0247I • ANR0254E

**System action:** The failed I/O operation is retried on a mirrored volume, if available.

**User response:** See accompanying messages for information about the volume in error. If the error persists and another mirrored copy of the volume is available, the failing volume should be taken offline by using the VARY OFF command, and repaired. Otherwise, halt the server and repair the volume. Then restart the server.

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**ANR0247I** Database page logical page number successfully read from an alternate copy on volume volume name.

**Explanation:** After a read error, the server is able to read the desired page from another synchronized mirrored volume.

**System action:** Processing continues.

**User response:** None.

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**ANR0248E** Unable to read database page logical page number from any alternate copy.

**Explanation:** After a read error, the server is unable to read the desired page from another mirrored volume because no other mirrored volume is in the synchronized state. This message is normally preceded by a message indicating which volume failed.

**System action:** Processing is ended.

**User response:** You can repair the failed volume by halting the server and correcting the volume errors.

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**ANR0249E** Error reading logical page logical page number (physical page physical page number) from recovery log volume volume name.

**Explanation:** An error has been encountered when attempting to read a page from the specified recovery log volume.

**System action:** The failed I/O operation is retried on a mirrored volume, if available.

**User response:** See accompanying messages for information about the volume in error. If the error persists and another mirrored copy of the volume is available, the failing volume should be taken offline by using the VARY OFF command, and repaired.

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**ANR0250I** Recovery log page logical page number successfully read from an alternate copy on volume volume name.

**Explanation:** After a read error, the server is able to read the desired page from another synchronized mirrored volume.

**System action:** Processing continues.

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**ANR0251I** Recovery log page logical page number successfully read from an alternate copy on volume volume name.

**Explanation:** After a read error, the server is able to read the desired page from another synchronized mirrored volume.

**User response:** None.

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**ANR0252E** Error writing logical page logical page number (physical page physical page number) to database volume volume name.

**Explanation:** An error has been encountered when attempting to write a page to the specified database volume.

**System action:** If a mirrored volume is available then the failing volume is forced into the offline state.

**User response:** Repair the failing volume, and then use the VARY ON command to bring the volume back online.

---

**ANR0253E** Unable to write database page logical page number to any alternate copy.

**Explanation:** After a write error, the server is unable to write the desired page to another mirrored volume because no other mirrored volume is in the synchronized state. This message is normally preceded by a message indicating which volume failed.

**System action:** Processing is ended.

**User response:** Repair the failed volume.

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**ANR0254E** Error writing logical page logical page number (physical page physical page number) to recovery log volume volume name.

**Explanation:** An error has been encountered when attempting to write a page to the specified recovery log volume.

**System action:** If a mirrored volume is available, the failing volume is forced into the offline state.

**User response:** Repair the failing volume, and then use the VARY ON command to bring the volume back online.
ANR0255E Unable to write recovery log page logical page number to any alternate copy.

Explanation: After a write error, the server is unable to write the desired page to another mirrored volume because no other mirrored volume is in the synchronized state. This message is normally preceded by a message indicating which volume failed.

System action: Processing is ended.
User response: You can repair the failed volume by halting the server and correcting the volume errors.

ANR0256E Error writing physical page physical page number to restart/checkpoint area on database volume volume name.

Explanation: An error has been encountered when attempting to write a page to the specified database volume.

System action: If a mirrored volume is available, the failing volume is forced into the offline state.
User response: Repair the failing volume, and then use the VARY ON command to bring the volume back online.

ANR0257E Error writing physical page physical page number to restart/checkpoint area on recovery log volume volume name.

Explanation: An error has been encountered when attempting to write a page to the specified database volume.

System action: If a mirrored volume is available, the failing volume is forced into the offline state.
User response: Repair the failing volume, and then use the VARY ON command to bring the volume back online.

ANR0258E Unable to write complete restart/checkpoint information to disk.

Explanation: While writing restart/checkpoint information to disk, the server encounters an error writing to a database or recovery log volume for which no synchronized mirrored copy is available. This message is normally preceded by a message indicating which volume failed.

System action: Processing is ended.
User response: Repair the failing volume.

ANR0259E Unable to read complete restart/checkpoint information from any database or recovery log volume.

Explanation: During server restart, the server is unable to read a complete set of restart/checkpoint information from any of the defined database or recovery log volumes.

System action: Server restart is ended.
User response: Ensure that all defined database and recovery log volumes are available for use by the server.

ANR0260I Database page logical page number successfully resynchronized.

Explanation: After detecting a partially-written database page, the server is able to rewrite the page by using a synchronized mirror copy.

System action: Processing continues.
User response: None.

ANR0261I Recovery log page logical page number successfully resynchronized.

Explanation: After detecting a partially-written recovery log page, the server is able to rewrite the page by using a synchronized mirror copy.

System action: Processing continues.
User response: None.

ANR0262W Incompatible database restart/recovery area has been detected.

Explanation: The restart/recovery area of the server database and recovery log volumes were written in a format that is not compatible with the restart/recovery area written by other versions of the server.

System action: The server starts normally. If the database and recovery log are writable (not Read Only), then the restart/recovery area will be converted to a compatible format. Message ANR0263I will be issued when the conversion has been completed.
User response: None.

ANR0263I Database restart/recover area successfully converted to compatible format.

Explanation: The server converted the restart/recovery areas of its database and recovery log volumes to a format compatible with the restart/recovery area written by other versions of the server. This is a one time conversion, and will only be performed if the restart/recovery area was not already in the compatible format.

System action: The restart/recovery area was successfully converted.
User response: None.
ANR0264E  A database file IO error is prohibiting activation of db name with sqlcode dbCode.

Explanation: While attempting to activate the database, an IO error occurred when processing a database file. The problem may have occurred in one of the following situations: The system cannot open, read from, or write to a database file. The system cannot create the database because an error occurred while the system was creating a database file or a directory for the database. The system cannot drop the database because an error occurred while the system was deleting a database file or a directory for the database. The system cannot create the database because an interrupt was received while the system was creating or deleting a database file or a directory for the database. The system cannot locate the database subdirectory or database configuration file during connect. Problem causes are ordered in terms of their frequency of occurrence: A log file cannot be found in the active log path directory. There may be a problem with the database directory the operation is being attempted on. There may be inadequate disk space to complete the operation. The database cannot be used.

System action: The server is not started because the database cannot be activated.

User response: Appropriate responses for the problem causes described above are: To verify if a log file is missing, check the db2diag.log for the presence of a logging error (return code contains SQLO_FNEX). If present, this error will contain the name of the missing log file. Ensure that the file is located in the active log path directory. If the file cannot be located, restore and roll-forward the database to an earlier point in time referenced in a log file preceding the missing log file (use a timestamp that is earlier than that of the missing file). There may be a problem with the database directory. Check the integrity of the directory. Examples of potential problems include: permissions issues, mount point problems, corruption. Increase filesystem size.

ANR0265E  Log disk processing failed: sufficient memory is not available.

Explanation: At server installation, the server is unable to process the server log disks due to insufficient memory.

System action: Server installation stops.

User response: Restart the server installation process with more memory available.

ANR0267E  Log volume volume name is not available.

Explanation: The specified volume cannot be found during installation.

System action: Server installation stops.

User response: Determine the reason the disk is unavailable, and correct the problem. Restart the server installation process.

ANR0268E  Database volume volume name is not available.

Explanation: The specified volume cannot be found during installation.

System action: Server installation stops.

User response: Determine the reason the disk is unavailable, and correct the problem. Restart the server.

ANR0269E  Process for Log volume volume name terminated - thread resource not available.

Explanation: During installation for the indicated volume, the server cannot start a thread to service I/O requests.

System action: Server installation stops.

User response: See the documentation for the operating system about how to increase memory for an application.

Restart the server installation process.

ANR0270E  Process for Database volume volume name terminated - thread resource not available.

Explanation: During installation for the indicated volume, the server cannot start a thread to service I/O requests.

System action: Server installation stops.

User response: See the documentation for the operating system about how to increase memory for an application.

Restart the server installation process.

ANR0271E  Maximum number of recovery log volumes exceeded.

Explanation: More recovery log volumes have been specified than the server can manage.

System action: Server installation stops.
User response: Reduce the number of recovery log volumes specified. Restart the server installation process.

ANR0272E  Maximum number of database volumes exceeded.
Explanation: More database volumes have been specified than the server can manage.
System action: Server installation stops.
User response: Reduce the number of database volumes specified. Restart the server installation process.

ANR0273W  Not initializing library library name because the library is set offline.
Explanation: The External Library is set offline. It will not be used for new transactions until it is set online again.
System action: This server skips the initialization of the library. The server continues processing.
User response: Refer to the UPDATE PATH command for details on changing the online option.

ANR0274E  Attempt to access library library name failed, because the library is set offline.
Explanation: The Library is set offline. It will not be used for new transactions until it is set online again.
System action: This mount fails.
User response: Refer to the UPDATE PATH command for details on changing the online option.

ANR0275I  Detected schema change for table table, attempting to reconcile.
Explanation: The schema for the table referenced does not match the server definition for this table. The schema difference for this table will be reconciled.
System action: Server startup continues if the schema difference was successfully reconciled. Server startup will fail if the schema reconciliation failed.
User response: The schema for this table will attempt to be reconciled. Specifically, the server will try to modify the table in the database to match the schema that was expected. A message will be issued indicating the success or failure of the schema reconciliation.

ANR0276I  Schema reconciliation for table table succeeded.
Explanation: The schema differences for this table were successfully reconciled.
System action: Server operation continues.

ANR0277E  Schema reconciliation for table table failed.
Explanation: The server was unable to reconcile the schema differences for the indicated table.
System action: Server operation terminates.
User response: Contact your IBM service representative.

ANR0278S  The database manager cannot create the database because of a virtual memory shortage.
System action: Server operation stops.
User response: Stop other applications running on the system, especially those that use large amounts of shared memory.

ANR0285I  Database page shadowing started using file file name.
Explanation: The database page shadowing function was started. The file specified is used to store the shadowed database pages.
System action: None.
User response: None.

ANR0286W  Database page shadowing using file file name failed to start.
Explanation: The database page shadowing function could not start. An error has been encountered accessing the page shadow file specified.
System action: None.
User response: None.

ANR0287W  Contents of the page shadow file file name are not valid.
Explanation: The database page shadowing function could not use the contents of the existing file. Restart recovery using this file is not possible.
System action: The server attempts to start without having the database page shadow file available.
User response: The database page shadow file contents are not valid. This can be caused by: a partial write to the page shadow file itself, the file being manipulated by a process outside of the server, the file being overlaid by a different file, or the file could have been erased.
ANR0288W One or more database pages in the last batch written is corrupt - contents of database page shadow file will be used to fix the page or pages.

Explanation: One or more pages from the last batch of pages written to the server database has been detected to be corrupt. The server will attempt to use the contents of database page shadow file and replace the corrupted database page.

System action: Server startup continues.

User response: A corruption of a database page within the server database, is typically caused by a partial write. A partial write may occur when the server is brought down external to normal server processing. If the server terminated without a halt command being issued or if the machine the server is running on crashed unexpectedly, this may account for the partial write. Other possible causes of a partial write are a disk drive failure, improperly terminated SCSI bus, or a failure in a device controller. Please try to identify the cause of the partial write and take the appropriate action to prevent this from occurring in the future.

ANR0289W Damaged database pages were successfully replaced using contents of page shadow file.

Explanation: The damaged database pages were replaced using the corresponding pages from the page shadow file. The pages were successfully replaced.

System action: The server continues to restart.

User response: None.

ANR0290W Failure occurred attempting to replace one or more damaged database pages using the contents of the page shadow file.

Explanation: The damaged database pages could not be replaced using the corresponding pages from the page shadow file.

System action: The server continues to restart.

User response: None.

ANR0291E Error writing to database page shadow file.

Explanation: The server encountered an error writing to the database page shadow file. The page shadowing for the server is currently disabled.

System action: Database page shadowing for the server will remain disabled until the server is halted and restarted.

User response: Check the file specified as the database page shadow file. It may be that there is not enough space for the file. If enough space is available, check the filesystem, drive, or disk that it resides on for an indication of the error. Once the error preventing the server from writing to the page shadow file has been resolved, restart the server.

ANR0292W Database page shadow file file name does not exist.

Explanation: The server attempted to use the page shadow file referenced but was unable to open the file. The file does not exist.

System action: The server will continue to operate and will attempt to create this as a new database page shadow file.

User response: None.

ANR0293I Reorganization for table table name started.

Explanation: The server is performing an online reorganization for the table referenced.

System action: The server will continue to operate.

User response: Monitor the available log space in the active log and archive log storage paths. If the log space available to the filesystem begins to fill up, then perform a BACKUP DATABASE command with the TYPE=FULL parameter in order to initiate pruning of the archive log space.

ANR0294I Reorganization for table table name ended.

Explanation: The server online reorganization for the table referenced has ended.

System action: The server will continue to operate.

User response: Review the available log space in the active log and archive log storage paths. If the log space available to the filesystem has to filled up or is close to filling up, then perform a BACKUP DATABASE command with the TYPE=FULL parameter in order to initiate pruning of the archive log space.

ANR0295I A full database backup is needed. The active log space used is log space used is megabytes, and the active log space available is log space available megabytes. The ratio, active log used ratio, exceeds the threshold log utilization threshold.

Explanation: When the active log space used exceeds the log utilization threshold, a database backup is needed.

System action: None.

User response: None.
ANR0296I  A full database backup is needed. The total space used in log file system is log space used megabytes, and the total space available in the log file system is log space available megabytes. The ratio is log file system used ratio and is greater than the threshold log file system utilization ratio.

Explanation: When the space used in the log file system exceeds the threshold for log file system utilization, a full database backup is required.

System action: None.
User response: None.

ANR0297I  A full database backup might be required. The last log number used is last log used and the first log number used is first log used. The log file size is log file size megabytes. The maximum log file size is maximum log file size megabytes.

Explanation: When the log space used since the last database backup exceeds the maximum log file size, either a full database backup is required, or the maximum log file size must be increased.

System action: None.
User response: None.

ANR0298S  Authority is insufficient to access the database.

Explanation: If the server is starting, then the user ID under which the dsmserv process is running does not have sufficient authority to access the database. If the server is running and a server operation failed, then the user ID does not have sufficient authority to perform the operation.

System action: If the server is starting, the dsmserv process ends. If the server is running, the server stops.
User response: Ensure that the user ID under which the server is running is either the instance user ID, or is authorized to access the database.

ANR0299I  A full database backup will be started. The archive log space used is archive log% and the archive log space used threshold is arch log threshold%.

Explanation: When the archive log space used exceeds the threshold, a full database backup will be started.

System action: None.
User response: None.

ANR0300I  Recovery log format started; assigned capacity count megabytes.

Explanation: Initial formatting of the server recovery log has started.

System action: The log is formatted for use by the server.
User response: None.

ANR0301I  Recovery log format in progress; count megabytes of count.

Explanation: The amount of the server recovery log shown has been successfully formatted.

System action: Formatting continues.
User response: None.

ANR0302I  Recovery log formatting took mseconds milliseconds.

Explanation: Formatting of the recovery log has completed and took the number of milliseconds shown.

System action: None.
User response: None.

ANR0303I  Format rate: rate pages/second.

Explanation: During formatting, the formatter processed the number of pages indicated each second.

System action: None.
User response: None.

ANR0304I  Page service time: rate ms.

Explanation: During formatting, the formatter required the number of milliseconds indicated to process each page.

System action: None.
User response: None.

ANR0305I  Recovery log format complete.

Explanation: Formatting of the server recovery log completed successfully.

System action: None.
User response: None.

ANR0306I  Recovery log volume mount in progress.

Explanation: During restart, the server is mounting required recovery log volumes.

System action: None.
User response: None.
ANR0307I  Recovery log extend in progress; count megabytes of count formatted.
Explanation: As a result of an EXTEND LOG command, the additional recovery log pages are being formatted.
System action: Formatting continues.
User response: None.

ANR0309I  Recovery log extend terminated - process canceled.
Explanation: The process started as a result of an EXTEND LOG command and has been canceled.
System action: The EXTEND command is ended.
User response: None.

ANR0311I  Recovery log reduce in progress; count megabytes of count moved.
Explanation: As a result of a REDUCE LOG command, the amount of data from the recovery log shown has been moved.
System action: The REDUCE LOG command continues.
User response: None.

ANR0313I  Recovery log reduce terminated - process canceled.
Explanation: The process started as a result of a REDUCE LOG command and has been canceled.
System action: The REDUCE command is ended.
User response: None.

ANR0314W  Recovery log usage exceeds utilization percentage % of its assigned capacity.
Explanation: This message is issued to notify the administrator that the server recovery log utilization exceeds 90% or more of its assigned capacity.
System action: Server operation continues.
User response:
- If the server is operating in NORMAL log mode, depending upon the size of your recovery log, add recovery log volumes, or extend the recovery log, or both, before it fills completely. Refer to the DEFINE LOGVOL, and EXTEND LOG commands for more information on these operations.
- If the server is operating in ROLLFORWARD log mode:
  - backup the database, or
  - define a database backup trigger if one is not already defined, or

ANR0315E  LOG SCAN ERROR encountered. The recovery log is unusable and the server is unable to continue.
Explanation: The server encountered corrupted information in the recovery log. Typically, the corruption is caused by a hardware or environmental failure external to TSM.
System action: Server operation terminates.
User response: If the server database and recovery log are mirrored, set the MIRRORREAD LOG VERIFY and MIRRORREAD DB VERIFY options in the server options file and restart the server. If database and recovery log mirrors are not available, or all mirrors are corrupted, restore the server database to the latest backup and restart the server.

ANR0316W  A full backup for database DB Name cannot be started. This backup is required.
Explanation: An automatic full backup was attempted for this database. However, the device class for database backups has not been specified.
System action: The database backup operation is not started.
User response: Issue the SET DBRECOVERY command to specify the default device class for automatic database backups. Then, issue the BACKUP DB command and specify TYPE=FULL to back up the database.

ANR0317I  Reorganization of indices for table table name started.
Explanation: The server is performing an online reorganization for the indices of the referenced table.
System action: The server will continue to operate.
User response: Monitor the available log space in the active log and archive log storage paths. If the log space available to the filesystem begins to fill up, then perform a BACKUP DATABASE command with the TYPE=FULL parameter in order to initiate pruning of the archive log space.

ANR0318I  Reorganization of indices for table table name ended with sqlCode dbCode.
Explanation: The server online reorganization for the indices for the table referenced has ended.
System action: The server will continue to operate.
User response: Review the available log space in the active log and archive log storage paths. If the log space available to the filesystem has to filled up or is close to filling up, then perform a BACKUP DATABASE command with the TYPE=FULL parameter in order to initiate pruning of the archive log space.

**ANR0319W** The file system for the database archive log has insufficient free space.

Explanation: The usage of the file system for the database archive log has exceeded the ARCHLOGUSEDTHRESHOLD. Space is used by files that are not database archive log files, and the BACKUP DB command cannot free space in the filesystem.

System action: The server will continue to operate.

User response: Create sufficient free space on the file system so that usage does not exceed the ARCHLOGUSEDTHRESHOLD.

**ANR0320W** Storage agent storage agent is not able to use device class device class for storage pool storage pool for LAN-Free data movement operations.

Explanation: The storage agent referenced is not able to perform LAN-Free data movement operations using this storage pool and device class. The storage agent is back-level and is not able to support LAN-Free operations using this device class.

System action: LAN-Free data movement operations are not performed. The operations are either sent via the LAN or else proxied by the storage agent directly to the server.

User response: In TSM version 5.3, a change was made to the way the FILE and device classes are supported. This change prevents back-level storage agents from being able to use these device classes. The storage agent should be upgraded to the same version and release as the server. Until the storage agent is upgraded, any LAN-Free data movement operations that are attempted will be done using the LAN.

**ANR0321W** Storage agent storage agent name at version storage agent VRMF does not support operation operationName, although the server server name at version server VRMF can support it.

Explanation: The storage agent is at an earlier version than the server and is not able to use advanced functions that were requested by a client.

System action: The operation is not allowed.

User response: The storage agent must be upgraded to a version, release, and level that supports this operation. Typically, the problem is that the storage agent and server are not at the same version and release. For example, if the server is version 5.3.0.0 and the storage agent is version 5.2.3.0, the storage agent needs to be upgraded to version 5.3.0.0 to perform the requested function.

If this was a restore or retrieve operation and the client node DATAREADPATH setting was ANY or LANFREE, the server will override this to be LAN only. This will cause the operation to fail on the storage agent and message ANR0416W to be issued. Retry the operation after performing one of the following actions:

- Halt the storage agent, upgrade the storage agent program, and then restart the storage agent.
- Set the ENABLELANFREE client option to NO, and then restart the client.

If this was a no-query restore operation, the data was not restored by the storage agent using LAN-Free data transfer. If the client node is allowed to read data over the LAN, the data was restored over the LAN. If the operation failed because the client node is not allowed to read data over the LAN, consider updating the DATAREADPATH setting for this node by using the UPDATE NODE command.

If this was an operation performed by an agent node with proxy node authority to a target node, the session failed with a protocol error. The operation was attempted by a version 5.3 or higher client and server, but the storage agent is not able to support this operation. To allow an agent node to perform operations for a target node, the storage agent must be upgraded to version 5.3.0 or later.

**ANR0322E** The NEWSTGPOOL parameter is not valid for deduplicated volume volume name.

Explanation: The volume contains one or more deduplicated objects and must be restored to the original storage pool.

System action: The operation is not allowed.

User response: To restore the volume to the original storage pool, reissue the RESTORE VOLUME command without the NEWSTGPOOL parameter.

**ANR0323E** The NEWSTGPOOL parameter is not valid for deduplicated storage pool pool name.

Explanation: The storage pool contains deduplicated objects and must be restored to the original storage pool.

System action: The operation is not allowed.

User response: To restore the storage pool to the original storage pool, reissue the RESTORE STGPOOL command without the NEWSTGPOOL parameter.
ANR0324E  command: Replication parameters cannot be used with the TYPE=SERVER parameter.

System action: The command failed.

User response: Reissue the command without replication parameters. Replication parameters include REPLSTATE, REPLMODE, BKREPLRULEDEFAULT, ARREPLRULEDEFAULT and SPREPLRULEDEFAULT.

ANR0325E  command: Operation is not allowed because node nodename is a replica.

Explanation: The specified node is a replica of a node on another server, created using the REPLICATE NODE command.

You can restore or retrieve data from this node, but you cannot store new data or alter existing data in any way.

System action: Client sessions that attempt to store new data or change existing data will be terminated with a protocol error. IMPORT operations will skip the node.

User response: Perform the operation on the server on which the original node resides.

ANR0326E  command: The ROLEOVERRIDE parameter cannot be used with either the TYPE=SERVER or TYPE=NAS parameter.

System action: The command failed.

User response: Reissue the command without the ROLEOVERRIDE parameter.


Explanation: The replication process has completed. The meanings of the numbers are:

- Files current indicates the number of files that do not need to be replicated.
- Files replicated indicates the number of files successfully replicated out of the number of files that we attempted to replicate.
- Files updated indicates the number of files which had meta-data updated on the target server out of the number of files that needed an update.
- Files deleted indicates the number of files deleted from the target server out of the number that needed to be deleted.
- Amount replicated indicates the size of the files that were replicated out of the size of the files that needed to be replicated.
- Amount transferred indicates the number of bytes transferred for the files that were replicated. This can be less than the amount replicated if deduplication is used to reduce the amount of data transferred.
- Elapsed time indicate how long the process ran.

System action: None.

User response: None.

ANR0328I  Replication preview of node(s) node list completed. Files current: files current. Files to be replicated: files to replicate. Files to be updated: files to update. Files to be deleted: files to delete. Amount to replicated: amount to replicate. Estimated run time: estimated runtime.

Explanation: The replication process has completed in preview mode. The meanings of the numbers are:

- Files current indicates the number of files that do not need to be replicated.
- Files to be replicated indicates the number of files requiring replication.
- Files to be updated indicates the number of files requiring a meta-data update.
- Files to be deleted indicates the number of files to be deleted from the target server.
- Amount to be replicated indicates the size of the files that require replication.
- Estimated run time is an estimate of how long the process will run.

System action: None.

User response: None.

ANR0329I  Starting replication of data type data for node node name, filespace ID filespace id.

Explanation: The replication process has started processing data for the specified node and file space ID.

System action: None.

User response: None.

ANR0330W  Session session number for node node name (client platform) refused - invalid authentication protocol requested.

Explanation: The server refuses a request to start a session because an invalid authentication protocol was requested during sign-on processing. This might be due to a down-level client, server, or storage agent that is accessing a server or storage agent that is configured to disallow such attempts.
Replication session for server server name refused - server is down-level.

Explanation: The server specified for replication cannot be used because it is not at the current level.

User response: Upgrade the server to version 6.3 or later, or specify a different server for replication.

Replication mode source repl mode of node node name is incompatible with mode target repl mode on server server name.

Explanation: The replication mode of the indicated node is incompatible. If the source mode is SEND, the target mode must be RECV. If the source mode is SYNCSEND, the target mode must be SYNCRCV. The source mode cannot be anything other than SEND or SYNCSEND.

User response: Use the UPDATE NODE command to put the node in the proper state on both the source and target servers.

Server server name is disabled for outbound sessions. The session request is rejected.

Explanation: The DISABLED SESSION SERVER command disabled outbound sessions for the indicated server. Sessions to this server are not permitted.

User response: Issue the QUERY STATUS command to view the servers that are disabled for inbound and outbound sessions. Issue the ENABLE SESSIONS SERVER command to make the server available for outbound sessions.

Server server name is disabled for inbound sessions. The session request is rejected.

Explanation: The DISABLED SESSION SERVER command disabled inbound sessions for the indicated server. The indicated server is not permitted to initiate sessions to this server.

ANR0331W  ANR0339E
**User response:** Use the ENABLE REPLICATION command to re-enable the use of replication.

**Explanation:** The database for this server was restored. Data that was on this server but that is not referenced by the restored database is no longer accessible. To prevent this server from deleting copies of data that might exist on the target replication servers, replication operations originating from this server are disabled.

**System action:** Processing ends.

**User response:** Disabling replication after a database restore is a precautionary step to alert the user of the potential that a restored database might contain node inventory that could result in the loss of file space data on a target replication server that is using node replication. If replication was not used on this server before the database restore, issue the ENABLE REPLICATION command to resume replication operations.

To preserve the data that exists on target replication servers, determine whether copies of data that are on the target replication server are needed. If they are, you must replicate data that is on the target replication server to the source replication server. After the replication is complete, issue the ENABLE REPLICATION command to resume replication operations.

For example, suppose that PRODSRV is the source replication server. The data belonging to client node NODE1 was replicated from PRODSRV to DRSRV, the target replication server. The database on PRODSRV was restored.

To resume replication, complete the following steps:

1. On PRODSRV and DRSRV, remove NODE1 from replication by issuing the following command: REMOVE REPLNODE NODE1.
2. Update NODE1 definitions. When replication occurs, DRSRV will send the data to PRODSRV that was lost because of the database restore.
   a. On DRSRV, issue the following command:
      UPDATE NODE NODE1
      REPLSTATE=ENABLED
      REPLMODE=SYNCSEND.
   b. On PRODSRV, issue the following command:
      UPDATE NODE NODE1
      REPLSTATE=ENABLED
      REPLMODE=SYNCRECEIVE.
3. On DRSRV, set the replication rules to match those on PRODSRV. For example, if only archive data was being replicated from PRODSRV to DRSRV, set the rules on DRSRV to replicate only archive data from DRSRV to PRODSRV. Backup and space-managed data will not be replicated to PRODSRV.
4. On DRSRV, set the target replication server by issuing the following command: SET REPLSERVER PRODSRV.
5. On DRSRV, replicate data belonging to NODE1 by issuing the following command: REPlicate NODE NODE1. Replication processing changes the replication mode of NODE1 to SEND on DRSRV and to RECEIVE on PRODSRV.
6. On PRODSRV and DRSRV, remove NODE1 from replication by issuing the following command: REMOVE REPLNODE NODE1.
7. Update NODE1 definitions:
   a. On PRODSRV, issue the following command:
      UPDATE NODE NODE1
      REPLSTATE=ENABLED
      REPLMODE=SYNCSEND.
   b. On DRSRV, issue the following command:
      UPDATE NODE NODE1
      REPLSTATE=ENABLED
      REPLMODE=SYNCRECEIVE.
8. On PRODSRV, enable replication by issuing the following command: ENABLE REPLICATION.
9. On PRODSRV, replicate data belonging to NODE1 by issuing the following command: REPlicate NODE NODE1. Replication processing changes the replication mode of NODE1 to SEND on PRODSRV and to RECEIVE on DRSRV.

The original replication configuration is restored. PRODSRV has all the data that was lost because of the database restore.

**REMEMBER:** To replicate data that was on DRSRV, you set the target replication server to PRODSRV. In your original configuration, if you were replicating data from DRSRV to another server, for example, BKUPDRSRV, you must reset the target replication server. To reset the target replication server, issue the following command on DRSRV: SET REPLSERVER BKUPDRSRV.

---

**ANR0341E** command with keyword keyword is not allowed when archive data retention protection is enabled.

**Explanation:** The specified command with the specified keyword is not allowed when archive data retention protection is enabled on the server.

**System action:** Processing continues.

**User response:** None.

**ANR0343W** File space file space name could not be created by node $$_TSMDBMGR_$$.

$$_TSMDBMGR_$$ node name is reserved for Tivoli Storage Manager database backup and restore.
**System action:** Server processing continues.

**User response:** Node $TSMDBMGR_$$ is only used for Tivoli Storage Manager database backup or restore. The server does not create a file space with this special node since there is no running database backup or restore session.

**User response:** Use another node name to create this file space.

---

**ANR0344E** The server failed to restore the database. Missing ARCHIVELOGDIR value in the server option file.

**Explanation:** While attempting to restore the database, the Tivoli Storage Manager server detects a missing value for ARCHIVELOGDIR in the server option file.

**System action:** Server database restore stops.

**User response:** Before reissuing the command to restore the database, check the following items:
- Ensure that ARCHIVELOGDIR option has a valid value.
- Ensure that the command is using the correct options file for the server. If you are using the -o option with the command to specify a server options file, ensure that the name and location of the file is correct.

---

**ANR0345E** The database manager cannot start while file file name exists.

**System action:** The server stops.

**User response:** Remove or rename the specified file and restart the server.

---

**ANR0346W** Database restore is performing a point-in-time recovery because the archive logs are not available.

**Explanation:** A database restore to the most current state was requested but it is not possible to perform this action. The archive logs are not available. This might be because the archive log files have been moved or deleted, or the entire archive log directory has been moved, deleted, or renamed. The server performs the database restore to the most recent point-in-time possible.

**System action:** Database restore processing continues using point-in-time mode.

**User response:** Review the ARCHIVELOGDIR server option in the server options file and determine why this directory is no longer available to the server. If the archive log directory and its contents can be recovered and made available to the server RESTORE DB processing, retry the DSMSENV RESTORE DB command.

---

**ANR0347E** Database database name is reporting a drive is invalid and the database can not be removed.

**Explanation:** This message is issued to notify the administrator that the server has detected that the API is reporting an invalid drive condition during a REMOVE DB process.

**System action:** Server REMOVE DB stops.

**User response:** Interrogate the database, correct the problem then issue the command again.

---

**ANR0348S** Database restart record version version is not recognized.

**Explanation:** During server initialization, the server database initialization failed because the version of the restart record is not recognized.

**System action:** The Server is terminated.

**User response:** Install the latest version of the Server or restore the database to a point in time prior to the previous upgrade.

---

**ANR0349S** The database has been upgraded from Express.

**Explanation:** The Express server has been started with a database that has been upgraded from Express to base TSM. Once the database is upgraded from Express, it cannot be used by an Express server.

**System action:** The Server is terminated.

**User response:** Either restore the database from a version taken prior to the upgrade, or use a base TSM Server with the current database.

---

**ANR0350I** Recovery checkpoint started.

**Explanation:** During server initialization, the process of bringing the server database back to a state of consistency has begun.

**System action:** None.

**User response:** None.

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**ANR0351I** Recovery checkpoint complete.

**Explanation:** During server initialization, the process of bringing the server database back to a state of consistency has completed successfully.

**System action:** None.

**User response:** None.

---
Transaction recovery complete.
Explanation: During server initialization, the process of recovering any incomplete transactions has completed successfully.
System action: None.
User response: None.

Recovery log analysis pass in progress.
Explanation: During server initialization, the process of analyzing the server recovery log has begun.
System action: None.
User response: None.

Recovery log redo pass in progress.
Explanation: During server initialization, the process of committing incomplete transactions has begun.
System action: None.
User response: None.

Recovery log undo pass in progress.
Explanation: During server initialization, the process of rolling back incomplete transactions has begun.
System action: None.
User response: None.

Recovery log compression started.
Explanation: The process of removing unneeded data from the server recovery log has begun.
System action: None.
User response: None.

Recovery log compression ended.
Explanation: The process of removing unneeded data from the server recovery log has completed.
System action: None.
User response: None.

Database initialization failed: unable to read database restart record.
Explanation: During server initialization, the server database initialization fails because the required restart record cannot be read.
System action: Initialization fails.
User response: Contact your service representative.

Database initialization failed: database size mismatch; LVM size = size, expected size = size.
Explanation: During server initialization, the server database initialization fails because the size of the database does not match its prior size.
System action: Initialization fails.
User response: Contact your service representative.

Recovery is in progress following a database failure.
Explanation: During server initialization, the database manager indicated that the database requires failure recovery. A database failure can occur in the event of a power outage or other abnormal termination of the database manager. Failure recovery can take extensive time, depending on how many transactions in the log require examination.
System action: The server initialization is delayed while the database is recovered.
User response: No action is required.

Database usage exceeds utilization percentage % of its assigned capacity.
Explanation: This message is issued to notify the administrator that the server database utilization exceeds 80% or more of its assigned capacity.
System action: Server operation continues.
User response: Depending upon the size of your database, add database volumes, or extend the database, or both, before it fills completely. The server expiration process may also free up database space making it available to other server processes. Refer to the EXPIRE INVENTORY, DEFINE DBVOL, and EXTEND DB commands for more information on these operations.

Database was automatically upgraded to the server program level.
Explanation: This message is issued to notify the administrator that the server database was automatically upgraded to the current server program level. The upgrade is performed when the...
UPGRADEDB parameter is specified at server startup and the server is started over a database that was written by a down-level version of the server program.

System action: Server operation continues.

User response: None. The UPGRADEDB parameter does not need to be specified during future server start-ups.

ANR0364W Server has detected a zero bit mismatch error.

Explanation: This message is issued to notify the administrator that the server has detected a zero bit mismatch error during a RESTORE DB process. The recovery process is the database must be restored with a process that includes a DSMSERV FORMAT. Either the data base volumes must be formatted then a DSMSERV RESTORE DB performed from a data base backup that does not have this problem, or a DSMSERV UNLOADDB followed by the formatting, then a DSMSERV LOADDB. Do not use DSMSERV DUMPDB on the data base for this recovery.

System action: Server RESTORE DB continues.

User response: Perform one of the data base recovery actions after the RESTORE DB completes.

ANR0365E Database database name is currently in use and can not be removed.

Explanation: This message is issued to notify the administrator that the server has detected that the database is currently in use during a REMOVE DB process.

System action: Server REMOVE DB stops.

User response: Drop all database connections then issue the command again.

ANR0366I Database database name was removed successfully.

Explanation: This message is issued to notify the administrator that the server has removed the server database successfully.

System action: None.

User response: The server database was removed. In order to run the TSM server, you need to format a new database using the 'DSMSERV FORMAT' command.

ANR0367W The server failed to format the database database name. This database name already exists.

Explanation: While attempting to format a database, the Tivoli Storage Manager server has found that this database name already exists.

System action: Server format stops.

ANR0368I Formatting server's database: database name.

System action: The server is done creating its database

User response: None.

ANR0369I Stopping the database manager because of a server shutdown.

System action: Stopping the server's database manager.

User response: None.

ANR0370E Diagnostic ID During the format operation, the server cannot create files in one or more directories that you specified for log type. Ensure that the file system where the directory is located has sufficient space.

Explanation: Space is not available for the server to write data to the directory.

System action: The format operation stops.

User response: Before reissuing the command to format a new database, check the following items:

- Check whether the format operation created a database but did not remove the database after the failure. If the database that was created was not removed, use the utility DSMSERV REMOVEDB db_name to remove it.
- Check that space is available to the directories that you specified for ACTIVELOGDIR, ARCHIVELOGDIR, and ARCHFAILOVERLOGDIR. Ensure that the amount of space meets requirements. For example, the directory for ARCHIVELOGDIR must have at least 8 GB space available.
- Remove any files that are in the directories that you want to use for the recovery logs.

ANR0371E Error setting environment variable environment variable name with value value - return code return code value.

Explanation: The server is unable to set the content of the environment variable on the operating system to the value specified in the message. The return code in
the message is the last error code set in the operating
system. The return code, or, last error code is a system
error code as a result of the failed function call to set
the environment variable.

System action: The server operation stops.

User response: Refer to the list of system error codes
provided by the operating system to determine the
cause of the problem. Resolve the problem and retry
the server operation.

ANR0372E  Database database name is currently
damaged and can not be removed.

Explanation: This message is issued to notify the
administrator that the server has detected that the
database is damaged during a REMOVE DB process.

System action: Server REMOVE DB stops.

User response: Interrogate the database, correct the
problem then issue the command again.

ANR0373E  Database database name is reporting a
File error and can not be removed.

Explanation: This message is issued to notify the
administrator that the server has detected that the
database is reporting a File error during a REMOVE DB process.

System action: Server REMOVE DB stops.

User response: Interrogate the database, correct the
problem then issue the command again.

ANR0374E  Database database name is invalid and
can not be removed.

Explanation: This message is issued to notify the
administrator that the server has detected that the API
is reporting an Invalid DB error during a REMOVE DB process.

System action: Server REMOVE DB stops.

User response: Interrogate the database, correct the
problem then issue the command again.

ANR0375E  Database database name is reporting an
authorization error and can not be removed.

Explanation: This message is issued to notify the
administrator that the server has detected that the database is reporting an authorization error during a REMOVE DB process.

System action: Server REMOVE DB stops.

User response: Interrogate the database, correct the
problem then issue the command again.

ANR0376E  Database database name is not found and
can not be removed.

Explanation: This message is issued to notify the
administrator that the server has detected that the API
is reporting the DB cannot be found during a REMOVE DB process.

System action: Server REMOVE DB stops.

User response: Interrogate the database, correct the
problem then issue the command again.

ANR0377E  Database database name is reporting a
drive is not found and can not be
removed.

Explanation: This message is issued to notify the
administrator that the server has detected that the API
is reporting a database drive cannot be found during a REMOVE DB process.

System action: Server REMOVE DB stops.

User response: Interrogate the database, correct the
problem then issue the command again.

ANR0378E  Database database name is reporting a
drive is not found and can not be
removed.

Explanation: This message is issued to notify the
administrator that the server has detected that the API
is reporting a warning during a REMOVE DB process.

System action: Server REMOVE DB completed
successfully.

User response: The drop database command has
completed successfully, however, there are some nodes
where the database alias or database name was not
found. It is possible that DROP DATABASE AT NODE
was already performed on these nodes.

ANR0379W  A server database deadlock situation has
been encountered; the lock request for
the lock name lock, key name will be
denied to resolve the deadlock.

Explanation: The server detected a deadlock situation
between a number of processes attempting to access
database information. A lock request for one of the
processes will be denied to resolve the database
deadlock. When the server processes encounter a
database deadlock, they usually try to run the function
that was in progress when the deadlock was
encountered again. Not all process can explicitly try an
operation again. For example, migration and
reclamation will eventually try again. However,
something like a delete volume run in a macro will
only be tried again if the delete command is reissued
either in the macro or the command line.

System action: A lock request fails for one of the
deadlocked processes. Server operation continues.

**User response:** If a process can be retried (like migration), monitor the retry effort to see if it succeeds. If the process or command cannot be retried, reissue the command or macro that caused the action.

Consider what other processes are running at the time the deadlock is reported. For example, if a process is started manually, as opposed to running as part of your regularly scheduled server maintenance tasks, that process may have caused the deadlock. You might have to adjust the scheduling of your server maintenance tasks to avoid the problem.

---

**ANR0380W** The database buffer pool recovered from an overcommit of number of pages. Consider increasing your buffer pool size by kilobytes needed under current server load.

**Explanation:** During normal processing, additional buffer pool space is required beyond that specified in the BUFPOOLSIZE in the server options file. The additional kilobytes of buffer pool space that are required are indicated in the message.

**System action:** Server operation continues; the additional buffer pool space is obtained from available server memory.

**User response:** If the current server load is typical, consider increasing the size specified for your BUFPOOLSIZE option by the number of kilobytes specified in the message. To do this, you must halt the server, change the options file, and then restart the server.

---

**ANR0381I** Buffer pool statistics were successfully reset.

**Explanation:** Buffer pool statistics, such as the Cache Hit Ratio, have been reset. The RESET BUFPOOL command and the ESTIMATE DBREORGSTATS command will reset the buffer pool statistics.

**System action:** Server operation continues.

**User response:** The QUERY DB command (FORMAT=DETAILED) can be used to display the current values for the buffer pool statistics.

---

**ANR0382I** The database maximum utilization statistic was successfully reset.

**Explanation:** The database maximum utilization statistic has been reset by the RESET DBMAXUTILIZATION command to the current utilization.

**System action:** Server operation continues.

**User response:** The QUERY DB command (FORMAT=DETAILED) can be used to display the current value for the maximum utilization.

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**ANR0383I** The recovery log maximum utilization statistic was successfully reset.

**Explanation:** The recovery log maximum utilization statistic has been reset by the RESET LOGMAXUTILIZATION command to the current utilization.

**System action:** Server operation continues.

**User response:** The QUERY LOG command (FORMAT=DETAILED) can be used to display the current value for the maximum utilization.

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**ANR0384I** The recovery log consumption statistic was successfully reset.

**Explanation:** The recovery log consumption statistic has been reset by the RESET LOGCONSUMPTION command.

**System action:** Server operation continues.

**User response:** The QUERY LOG command (FORMAT=DETAILED) can be used to display the current value for recovery log consumption.

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**ANR0385I** Could not free sufficient buffers to reach reduced BUFPoolsize.

**Explanation:** A reduction in the database buffer pool size was requested. However, too many buffers were in use to reach the lower buffer pool size.

**System action:** Server operation continues. Whatever buffer pool size reduction that could be achieved is in effect. The new bufpoolsize is written to the options file for use on the next server startup.

**User response:** None.

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**ANR0386I** The BUFPoolsize has been changed to buffer pool size.

**Explanation:** The BUFPoolsize option has been changed to the indicated value.

**System action:** Server operation continues.

**User response:** None.

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**ANR0387I** Evaluating node node name using storage agent storage agent for LAN-free data movement.

**Explanation:** The server is evaluating whether the node and storage agent can use storage pools capable of LAN-free data movement.

**System action:** The server evaluates the storage pool destinations available to this node and reports which storage pools can and cannot be used for LAN-free data movement.
User response: Review the results of this processing to determine if the appropriate LAN-free environment is configured.

ANR0388I Node node name using storage agent storage agent has capable count storage pools capable of LAN-free data movement and not capable count storage pools not capable of LAN-free data movement.

Explanation: The server has completed evaluation of the LAN-free and non-LAN-free storage pool destinations for this node using this storage agent. The server determined that there are capable count storage pools that are capable of LAN-free data movement. It also determined that there are not capable count storage pools that cannot be used for LAN-free data movement.

System action: None.

User response: Review the other messages issued to determine which storage pools are capable of LAN-free data movement and those which are not capable of LAN-free data movement for this node using this storage agent.

ANR0389W Node node name has data path restrictions.

Explanation: The node name has data path restrictions. The registered node has data write path, data read path, or both, configured to not allow LAN-free operations.

System action: None.

User response: Issue the command QUERY NODE node name F=D and evaluate the data read path and data write path settings. To store data or read data using LAN-free data movement, set the data write path to ANY or LANFREE.

ANR0390W A server database deadlock situation has been encountered; the lock request for transaction transaction ID will be denied.

Explanation: The server detected a deadlock situation between a number of processes that were attempting to access database information. A lock request for one of the processes is denied, to resolve the database deadlock. When server processes encounter a database deadlock, they usually reattempt the function that was in progress when the deadlock was encountered. Not all process can explicitly try an operation again. For example, migration and reclamation will eventually be tried again. However, something such as a delete volume run in a macro will only be tried again if the delete command is reissued either in the macro or the command line.

System action: A lock request fails for one of the deadlocked processes. Server operation continues.

User response: If a process can try again (like migration), then monitor the subsequent attempt to see if it succeeds or not. If it fails, contact a service representative. If the process or command is not able to automatically try again, then reissue the command or macro that caused the action to occur. If it fails again, contact a service representative for further assistance to better isolate the deadlock condition.

ANR0391I Evaluating LAN-free destination for node node name using storage agent storage agent.

Explanation: The server is evaluating to determine LAN-free destination storage pools for the node and storage agent referenced.

System action: The server will evaluate the storage pool destinations available to this node and report which pools may be used LAN-free and for those that can not be used LAN-free it will report why that pool can not be used.

User response: Review the results of this processing to determine if the appropriate LAN-free environment is configured.

ANR0392I Node node name using storage agent storage agent has LAN-free count storage pools enabled for LAN-free data transfer and non-LAN-free count storage pools that are not enabled for LAN-free data transfer.

Explanation: The server has completed evaluation of the storage pool destinations for this node using this storage agent. The server determined that there are LAN-free count storage pools that are LAN-free enabled. It also determined that there are non-LAN-free count storage pools that are not enabled for LAN-free data transfer for this node.

System action: None.

User response: Review the other messages issued to determine which storage pools are capable of LAN-free data transfer and those which are not capable of LAN-free data transfer for this node using this storage agent.

ANR0393I Management class management class with destination storage pool for operation type operations is enabled for LAN-free data transfer for node node name using storage agent storage agent name.

Explanation: The storage pool is capable of LAN-free data transfer operations for node node name using storage agent storage agent name.

System action: None.
reasons. First, if this is a DISK storage pool, these are having LAN-free enabled paths for a number of
A storage pool can be reported as not capabilities. The destination storage pool uses a CENTERA device and as such can not be used for LAN-free operations.
System action: None.
User response: To configure this node for LAN-free data transfer operations, update the destination storage pool for the copygroup or assign this node to a domain that has LAN-free storage pool destinations.

Management class management class with destination storage pool for operation type operations is not enabled for LAN-free data transfer for node node name using storage agent storage agent name because this destination is a CENTERA device.
Explanation: The destination storage pool is not capable of LAN-free data transfer operations for node node name using storage agent storage agent name. This storage pool uses a CENTERA device and as such can not be used for LAN-free operations.
System action: None.
User response: To configure this node for LAN-free data transfer operations, update the destination storage pool for the copygroup or assign this node to a domain that has LAN-free storage pool destinations.

Management class management class with destination storage pool for operation type operations is not enabled for LAN-free data transfer for node node name using storage agent storage agent name because this destination is configured for simultaneous write.
Explanation: The destination storage pool is not capable of LAN-free data transfer operations for node node name using storage agent storage agent name. This storage pool is configured for simultaneous write operations. Simultaneous write operations are only allowed for data sent directly to the server. Configuring a storage pool for simultaneous write operations disqualifies it from being eligible for use for LAN-free operations.
System action: None.
User response: To configure this node for LAN-free data transfer operations, update the destination storage pool for the copygroup or assign this node to a domain that has LAN-free storage pool destinations. Or update this storage pool to disable simultaneous write by setting the copy storage pools field to blank.

Management class management class with destination storage pool for operation type operations is not LAN-free enabled for node node name using storage agent storage agent name because no online paths are available.
Explanation: The destination storage pool is not capable of LAN-free data transfer operations for node node name using storage agent storage agent name. This storage pool is not capable of LAN-free operations. In this case, the destination for this node or the domain that this node is assigned to should be changed to one that is LAN-free enabled. The next reason a storage pool is reported as not LAN-free capable is if there are no paths defined for a device to this storage agent. Use the QUERY PATH, QUERY SERVER, QUERY STGPOOL, QUERY LIBRARY, and QUERY DRIVE commands to determine the drive or drives that need paths defined to this server (storage agent). The final reason a storage pool is reported as not LAN-free enabled is if there are no define paths to this storage agent but no paths are online. Use the QUERY PATH and QUERY DRIVE commands to evaluate this and if necessary use update those paths to be online.
System action: None.
User response: A storage pool can be reported as not having LAN-free enabled paths for a number of reasons. First, if this is a DISK storage pool, these are not capable of LAN-free operations. In this case, the destination for this node or the domain that this node is assigned to should be changed to one that is LAN-free enabled. The next reason a storage pool is reported as not LAN-free capable is if there are no paths defined for a device to this storage agent. Use the Query PATH, Query SERVER, Query STGPOOL, Query LIBRARY, and Query DRIVE commands to determine the drive or drives that need paths defined to this server (storage agent). The final reason a storage pool is reported as not LAN-free enabled is if there are no define paths to this storage agent but no paths are online. Use the Query PATH and Query DRIVE commands to evaluate this and if necessary use update those paths to be online.

Session session number for node agent_node has begun a proxy session for node target_node.
Explanation: A client session has begun proxy operations.
System action: The server granted a proxy session to a client node.
User response: None.

Session session number for node agent_node has failed to begin a proxy session for node target_node.
Explanation: A client session attempted to begin a proxy operation. The server failed the client request. This can occur if the agent node does not have a proxy association with the target node.
System action: The server blocks the proxy authorization attempt.
User response: None.

Session session number for node agent_node has ended a proxy session for node target_node.
Explanation: A proxy session has been ended. The server terminates a session if there is an error in the protocol. On the other hand, the client can also terminate the session.
System action: The server, or the client, has ended a proxy session for a client node.
User response: None.

Session session number started for node node name (client platform) (communication method).
Explanation: A new client session has been initiated by the specified node. The session number, client platform type and communication method used by this
session are included in the message.

**System action:** The server begins a communications session to service the client node.

**User response:** None.

ANR0401I  **Session** session number started for node node name (client platform) (WDSF client).

**Explanation:** A new WDSF client session has been initiated by the specified node. The session number, client platform type and communication method used by this session are included in the message.

**System action:** The server begins a communications session to service the client node.

**User response:** None.

ANR0402I  **Session** session number started for administrator administrator ID (administrator's platform) (communication method).

**Explanation:** A new administrator client session has been initiated by the specified administrator. The session number, administrator’s platform type and communication method used by this session are included in the message.

**System action:** The server begins a communications session to service the administrator client.

**User response:** None.

ANR0403I  **Session** session number ended for node node name (client platform).

**Explanation:** A client session has completed normally.

**System action:** Server operation continues.

**User response:** None.

ANR0404I  **Session** session number ended for node node name (client platform) (WDSF client).

**Explanation:** A WDSF client session has completed normally.

**System action:** Server operation continues.

**User response:** None.

ANR0405I  **Session** session number ended for administrator administrator ID (client platform).

**Explanation:** An administrative client session has completed normally.

**System action:** Server operation continues.

**User response:** None.

ANR0406I  **Session** session number ended for node node name (client platform) (communication method communication address).

**Explanation:** A new client session has been initiated by the specified node. The session number, client platform type, communication method and address used by this session are included in the message.

**System action:** The server begins a communications session to service the client node.

**User response:** None.

ANR0407I  **Session** session number started for administrator administrator ID (administrator’s platform) (communication method communication address).

**Explanation:** A new administrator client session has been initiated by the specified administrator. The session number, administrator’s platform type, communication method and address used by this session are included in the message.

**System action:** The server begins a communications session to service the administrator client.

**User response:** None.

ANR0408I  **Session** session number started for server server name (server’s platform) (communication method) for purpose.

**Explanation:** A new server session has been initiated by the specified server for the specified purpose. The session number, server’s platform type and communication method used by this session are included in the message.

**System action:** The server begins a communications session to service the administrator client.

**User response:** None.

ANR0409I  **Session** session number ended for server server name (client platform).

**Explanation:** A server has completed normally.

**System action:** Server operation continues.

**User response:** None.

ANR0410E  **EXPORT** operation to server server name rejected - administrator administrator is not authorized to perform the import operation on the target server.

**Explanation:** An export operation to the named server was rejected, because the administrator issuing the export command is not defined on the target server or does not have sufficient authority to perform the import operation on the target server.
System action: Server operation continues.
User response: None.

ANR0411I  Session session number for administrator administrator name logged in as node node name restored or retrieved object type object: node node name, filespace filespace name, object object name.

Explanation: This message logs information about an object that was restored or retrieved by an administrator logged in for a node.
System action: Server operation continues.
User response: None.

ANR0412I  Session session number for node node name (Userid=user id), restored or retrieved object type object: node node name, filespace filespace name, object object name.

Explanation: This message logs information to the activity log about an object that was restored or retrieved by a user logged in for a node. A user ID with no value indicates that an administrative or root user on the platform initiated the restore.
System action: Server operation continues.
User response: None.

ANR0413I  Session session number for administrator administrator name logged in as node node name is restoring backup set: node node name, set filespace name.

Explanation: This message logs information about a backup set restored by an administrator logged in for a node.
System action: Server operation continues.
User response: None.

ANR0414I  Session session number for node node name is restoring backup set: node node name, set filespace name.

Explanation: This message logs information about a backup set restored by a node.
System action: Server operation continues.
User response: None.

ANR0415I  Session session number proxied by storage agent name started for node node name.

Explanation: This session is started for the indicated node and the storage agent acts as the proxy for the node. Client node sessions are used to perform LAN-free operations between the client and server.
System action: Server operation continues.
User response: None.

ANR0416W  Session session number for node node name not allowed to operation using path data transfer path.

Explanation: This session attempted this operation using the specified data transfer path. This operation is not permitted for this client.
System action: Server operation continues.
User response: Issue QUERY NODE FORMAT=DETAILED for this node to see the current DATA WRITE PATH or DATA READ PATH settings. These settings determine if a given operation is permitted using a specific data transfer path. If this client node should be permitted to perform this operation using this data transfer path, the UPDATE NODE command should be used to correct this.

ANR0417W  Session session number for node node name terminated - data transfer path not allowed.

Explanation: This session attempted an operation that needed a data transfer path that this node is not allowed to use.
System action: This client session terminates.
User response: Refer to the ANR0416W message that was issued for this client session to determine which operation and data transfer path was attempted.

ANR0418W  Session session number for administrator administrator name (client platform) is refused because an incorrect password was submitted.

Explanation: The server refuses a request to start a client session because an invalid password has been submitted by the client during sign-on processing.
System action: The server will continue to deny access attempts by this client until a valid password is submitted.
User response: Enter the proper password. If you have forgotten the password, contact an authorized administrator, who can assign a new password using the UPDATE ADMIN command.

ANR0419W  Administrative client userid administrative ID cannot be used when authentication is on.

Explanation: The server refuses a request for a client (administrative) session because the user ID specified cannot be used when authentication of IDs is in effect. SERVER_CONSOLE is an administrative ID that has this restriction.
ANR0420W  Session session number for node node name (client platform) refused - server disabled for user access.
Explanation: The server refuses a request for a client (backup-archive) session because the server is currently disabled for client access.
System action: Server operation continues.
User response: Use an administrative ID that was registered for this server and that has a password.
System action: Server operation continues.
User response: Register the administrator name with the server before establishing a session. An authorized administrator must use the REGISTER ADMIN command to register the administrator with the server.

ANR0421W  Session session number for node node name (client platform) refused - sign-on protocol violation.
Explanation: The server refuses a request for a client session because sign-on protocol has been violated.
System action: Server operation continues.
User response: An authorized administrator must issue the ENABLE SESSION command before client nodes are permitted access to the server.

ANR0422W  Session session number for node node name (client platform) refused - node name not registered.
Explanation: The server refuses a request to start a client session because the client node name is not registered in the server database.
System action: Server operation continues.
User response: Register the node name with the server before establishing a session. If the server is running with OPEN registration, no action is required; the client prompts the user for a password and registers the client with the server. If CLOSED registration is in effect on the server, an authorized administrator must use the REGISTER NODE command to register the client node name with the server.

ANR0423W  Session session number for administrator administrator ID (client platform) refused - administrator name not registered.
Explanation: The server refuses a request to start an administrative session because the administrator name is not registered in the server database.
System action: Server operation continues.
User response: An authorized administrator must issue the ENABLE SESSION command before client nodes are permitted access to the server.

ANR0424W  Session session number for node node name (client platform) refused - invalid password submitted.
Explanation: The server refuses a request to start a client session because an invalid password has been submitted by the client during sign-on processing. The server will continue to deny access attempts by this client until a valid password is submitted.
System action: Server operation continues.
User response: Enter the proper password. If the password has been forgotten by the user, an authorized administrator can assign a new password by using the UPDATE NODE command.

ANR0425W  Session session number for node node name (client platform) refused - node password has expired.
Explanation: The server refuses the specified session because the client node’s password has expired.
System action: Server operation continues.
User response: Upon receipt of this error condition, the client program immediately reconnects to the server specifying a password update session and prompts the user for a new password. After the user enters a new password, the client reconnects to the server for normal operations. Alternatively, an authorized administrator can update the client password using the UPDATE NODE command.

ANR0426W  Session session number for node node name (client platform) refused - open registration not permitted.
Explanation: The server refuses a client session because an open registration action has been attempted and the server is running with CLOSED registration.
System action: Server operation continues.
User response: Ask an authorized administrator to submit the request using the REGISTER NODE or REGISTER ADMIN command.

ANR0427W  Session session number for node node name (client platform) refused - server version is down-level with this client.
Explanation: The server refuses a client session because the client program version level is newer than that supported by the server program.
System action: Server operation continues.
User response: Apply service to the server program to make it compatible with the newer client program, or use an older client program to contact the server.

ANR0428W Session session number for node node name (client platform) refused - client is down-level with this server version.
Explanation: The server refuses the client session because the client program version level is older than that supported by the server program. For certain problems (such as the compression fix), once a node connects to the server using the newer client, the server records this fact and will not let this node back off this client version to a version that does not include the fix.
System action: Server operation continues.
User response: Apply service to the client program to make it compatible with the newer server program.

ANR0429W Session session number for node node name (client platform) refused - maximum server sessions (max sessions allowed) exceeded.
Explanation: The server refuses the specified client or administrative session because the maximum number of concurrent client sessions has been exceeded.
System action: Server operation continues.
User response: If necessary, increase the maximum number of permitted sessions. To do this, update the value for the MAXSESSIONS parameter in the server options file and restart the server with the updated options file. Note that increasing the MAXSESSIONS value requires additional memory resource by the server. You may want to retry the connection at a later time.

ANR0430W Session session number for node node name (client platform) refused - node name is locked.
Explanation: The server refuses the specified client session because the node is locked from server access (with the LOCK NODE command or by the LDAP directory server).
System action: Server operations continue.
User response: Before the client node is permitted to access the server, a properly authorized administrator must unlock the node. Nodes using LOCAL authentication can be unlocked with the UNLOCK NODE command. Nodes using LDAP authentication can be unlocked from within the LDAP directory server.

ANR0431W Session session number refused - administrator administrator ID (client platform) is locked.
Explanation: The server refuses the specified administrative session because the administrator is locked from server access (with the LOCK ADMIN command or by the LDAP directory server).
System action: Server operations continue.
User response: Before the administrator is permitted to access the server, a properly authorized administrator must unlock the administrator. Administrators using LOCAL authentication can be unlocked with the UNLOCK ADMIN command. Administrators using LDAP authentication can be unlocked from within the LDAP directory server.

ANR0432W Session session number for node node name (client platform) refused - insufficient memory.
Explanation: The server ends the specified session because sufficient memory (virtual memory) is not available.
System action: The server ends the session and continues operation.
User response: See the documentation for the operating system about how to increase memory for an application.

ANR0433W Session session number for node or administrator ID (client platform) was refused because of insufficient recovery log space.
Explanation: If a log runs out of space, the current transaction is rolled back. The server issues an error message and halts. You cannot restart the server until the recovery log size is increased.
System action: The server halts.
User response: Monitor archive logs and active logs. If the recovery log space is insufficient, monitor the archive log space first. If the archive log space is full or nearly full, run a full database backup to remove archive logs and consider adding more disk space to the archive log directory. If the archive log space is not full and the active log space is full or nearly full, update the value of the ACTIVELOGSIZE option in the dsmserver.opt file. Set the value of the ACTIVELOGSIZE option to the new maximum size of the active log.

ANR0434W Session session number for node or administrator ID (client platform) was refused because of insufficient database space.
Explanation: The server ends the specified client or...
ANR0435W  Session session number for node node name (client platform) refused - internal error detected.

Explanation: The server ends the specified session because an internal logic error is detected.

System action: The server ends the session and continues operation.

User response: To determine the source of the error, the administrator can examine server messages issued prior to this message. The QUERY ACTLOG command can be used to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0441W  Protocol error on session session number for node node name (client platform) - invalid data length received.

Explanation: The server detects a protocol error on the specified session because an invalid verb length has been received from the client. Verb headers always precede communication sent to the server from the client or from the server to the client.

System action: The server ends the client session.

User response: Correct the programming error in the client program if it has been written by your installation using WDSF verbs. Otherwise, contact your service representative.
installation using WDSF verbs. Otherwise, contact your service representative.

ANR0442W  Protocol error on session session number for node client node name (client platform) - invalid stream mode switch.

Explanation: The server detects a protocol error on the specified session because the client has attempted an illegal stream operation.

System action: The server ends the client session.

User response: Correct the programming error in the client program if it has been written by your installation. Otherwise, contact your service representative.

ANR0443W  Protocol error on session session number for node client node name (client platform) - invalid "field name" field found in "verb name" verb (offset offset position).

Explanation: The server detects a protocol error on the specified session because an invalid field has been found in a verb sent from the client node.

System action: The server ends the client session.

User response: Correct the programming error in the client program if it has been written by your installation using WDSF verbs. Otherwise, contact your service representative.

ANR0444W  Protocol error on session session number for node client node name (client platform) - out-of-sequence verb (type verb name) received.

Explanation: The server detects a protocol error on the specified session because a verb has been received that does not adhere to the client-server exchange sequence.

System action: The server ends the client session.

User response: If the client generating the error is not an API client, contact your service representative. If the client generating the error is an API client, contact the owner of the API client. If the client generating the error is a client that you have created using WDSF verbs, correct the programming error in your client program.

ANR0445W  Protocol error on session session number for node client node name (client platform) - maximum group transaction size exceeded.

Explanation: The server detects a protocol error on the specified session because the client has attempted to group more than the maximum database update operations in a single database transaction.

System action: The server ends the client session.

User response: Licenses to support space-managed clients can be obtained from your service provider or re-seller. The REGISTER LICENSE command can be used with these licenses to enable space management support.
ANR0449W  Session session number space management migration operation for client client node name (client platform) is in violation of server license terms - server is not licensed for space management support.

Explanation: The server warns about a client space management migration operation because the server is not licensed to support space-managed clients.

System action: Server operation continues.

User response: Licenses to support space-managed clients can be obtained from your service provider or re-seller. The REGISTER LICENSE command can be used with these licenses to enable space management support.

ANR0450W  Session session number for server server name (client platform) refused - server name not defined for server to server communications.

Explanation: The server refuses a request to start a server session because a server name is not defined in the server database, or the server definition does not have a SERVERPASSWORD, or a password or node name is not setup for virtual volume use on the source server.

System action: Server operation continues.

User response: Register the server names on both servers before establishing a session, or update the server’s existing server definition and set a SERVERPASSWORD. An authorized administrator must use the DEFINE SERVER or UPDATE SERVER command register the servers and set the passwords.

ANR0451W  Session session number for server server name (server platform) refused - invalid password submitted.

Explanation: The server refuses a request to start a server session because an invalid password has been submitted during sign-on processing. The server will continue to deny access attempts by that server until valid passwords are submitted.

System action: Server operation continues.

User response: Set the proper passwords. If the password has been changed on either server, an authorized administrator can set new passwords by using the UPDATE SERVER command with the SERVERPASSWORD parameter.

ANR0452W  Session for server server name refused - server name not defined for server to server communications.

Explanation: The server refuses a request to start a server session because a server name is not defined in the server database, or the server definition does not have a SERVERPASSWORD. Server to server communications using the serverpassword requires that the each server has had a server definition for the other server.

System action: Server operation continues.

User response: Register the server names on both servers before establishing a session, or update the server’s existing server definition and set a SERVERPASSWORD. An authorized administrator must use the DEFINE SERVER or UPDATE SERVER command register the servers and set the passwords.

ANR0453W  Server to server session refused - no password defined.

Explanation: The server to server session cannot be initiated because no server password has been defined for this server.

System action: Server operation continues.

User response: Define a server password with the SET SERVERPASSWORD command and retry the command.

ANR0454E  Session rejected by server server name, reason: rejection reason.

Explanation: The server tried to open a session with the named server. The session was rejected for the indicated reason.

System action: The operation fails.

User response: Check both the servers for any additional messages that might further describe the reason the session was rejected. For a reason of AUTHENTICATION FAILURE, ensure that all passwords have been set correctly on both servers. The password for the server (set by SET SERVERPASSWORD on server X) and the password in the server definition (set by DEFINE or UPDATE SERVER X SERVERPASSWORD=) are the same password. For a reason of VERIFICATION FAILURE, use the QUERY SERVER command to determine that the HLADDRESS and LLADDRESS of the target server are correct. If they are not, correct them with the UPDATE SERVER command. If they are correct, resynchronize with the target server by issuing the UPDATE SERVER FORCESYNC=YES. For a reason of COMMUNICATION FAILURE ensure that the target server is available and that TCP/IP is available on both servers. For a reason of NO RESOURCE, ensure that the receiving server is enabled, has sufficient DB, LOG, and memory resource to support the source server.
session. For a reason of INTERNAL ERROR, use the messages on the target server to determine the problem. For all reasons, if none of the above are applicable, ensure that the shown server has not disabled this server with the DISABLE SESSIONS SERVER command.

ANR0455W Invalid Command command name for SNMP session.

Explanation: An SNMP administrative session attempted to run a command which is not an macro invocation. SNMP administrative sessions are only allowed to issue macro commands.

System action: The server ends the client session.

User response: Enter commands through the SNMP administrative interface which are macros defined on the server.

ANR0456W Session rejected for server server name - the server name at High level address, Low level address does not match.

Explanation: The server name at the address specified does not match the name in the server definition. The connection is not established.

System action: The server continues.

User response: Ensure the HLADDRESS and LLADDRESS in the define server command are correct, and that the servername on the server being contacted matches the name used in the DEFINE SERVER command.

ANR0457W Session for server server name refused - crossdefine is not allowed on this server.

Explanation: The server refuses a request to start a server to server session for crossdefine because it is not allowed on this server. The server will deny any sessions for crossdefine until crossdefine is allowed on this server.

System action: Server operation continues.

User response: An authorized administrator must use the SET CROSSDEFINE ON command to allow cross registration of servers.

ANR0458S Server server name does not support access by the Storage Agent.

Explanation: The storage agent attempted to contact a Database Server, but the server contacted was not at the correct level.

System action: The Storage Agent terminates.

User response: Specify a correct Database Server in the devconfig file for the Storage Agent.

ANR0459W Signon for administrator administrator name refused - invalid administrator name and/or password submitted.

Explanation: The server refuses a request to start an administrative session because an invalid administrator name and/or password has been submitted by the user during sign-on processing. The server will continue to deny access attempts by this administrator until a valid password is submitted, or until the administrator is locked due to maximum number of invalid password attempts being exceeded.

System action: Server operation continues.

User response: Enter the proper password. If the password has been forgotten by the user, an authorized administrator can assign a new password by using the UPDATE ADMIN command.

ANR0460W Open registration failed for session session number - node name node name (client platform) already exists.

Explanation: The server refuses a client session during open registration because the client has specified a node name that is already registered on the server.

System action: Server operation continues.

User response: The client program user must specify a different node name for the client in the client options file.

ANR0461W Open registration failed for session session number for node node name (client platform) - policy domain STANDARD does not exist.

Explanation: The server refuses a client session during open registration because the STANDARD policy domain does not exist. All nodes added to the server database under open registration are automatically assigned to the STANDARD policy domain. This policy domain must be defined and have an active policy set to support open registration.

System action: Server operation continues.

User response: If you want to support open registration, define a policy domain using the DEFINE DOMAIN command with the name STANDARD and activate a valid policy set in the domain. You can issue the UPDATE NODE command to move nodes to different policy domains after the nodes have registered themselves through open registration.

ANR0462W Open registration failed for session session number for node node name (client platform) - invalid node name.

Explanation: The server refuses a client session during open registration because the node name specified by the client is not valid.
System action: Server operation continues.

User response: Specify a node name in the options file of the client program that contains valid characters and does not exceed the maximum length in size. Refer to Backup-Archive Clients Installation and User’s Guide for a description of the node name restrictions.

ANR0463W Open registration failed for session 
 session number for node node name (client platform) - invalid password.

Explanation: The server refuses a client session during open registration because the password name specified by the user is not valid.

System action: Server operation continues.

User response: Specify a password that uses valid characters and is less than the maximum length in size. Refer to Backup-Archive Clients Installation and User’s Guide for a description of the password restrictions.

ANR0464W Open registration failed for session 
 session number for node node name (client platform) - exceeded number of nodes available under license terms.

Explanation: The server detected an attempt to register more nodes than allowed by the terms of the current license.

System action: Server operation continues, but the REGISTER NODE command fails, and the node is not registered.

User response: Use the QUERY LICENSE command to determine the license terms that are no longer in compliance.

ANR0465W Open registration failed for session 
 session number for node node name (client platform) - policy domain STANDARD does not have an ACTIVE policy set.

Explanation: The server refuses a client session during open registration because the STANDARD policy domain does not have an active policy set. All nodes added to the server database under open registration are automatically assigned to the STANDARD policy domain. This policy domain must be defined and have an active policy set to support open registration.

System action: Server operation continues.

User response: If you want to support open registration, define a policy domain using the DEFINE DOMAIN command with the name STANDARD and activate a valid policy set in the domain. You can issue the UPDATE NODE command to move nodes to different policy domains after the nodes have registered themselves through open registration.

ANR0466E The SETSTORAGESERVER command did not complete successfully.

Explanation: The SETSTORAGESERVER command encountered an error and did not complete successfully.

System action: Storage agent operation terminates.

User response: Please review prior error messages and take the necessary corrective actions.

ANR0467I The SETSTORAGESERVER command completed successfully.

Explanation: The SETSTORAGESERVER command has completed successfully, and the appropriate device configuration files have been updated.

System action: Storage agent operation terminates.

User response: None

ANR0468E Server-to-server export and import not allowed with server server name. Export server is at version export version; import server is at version import version.

Explanation: An attempt was made to export to an outdated server. The server on which the import is performed must be at the same or later level than the server from which the data was exported.

System action: The export operation ends and server operation continues.

User response: Export to a server that is at the same or later level.

ANR0469W Session session number for administrator administrator name refused - client is not configured for archive retention protection.

Explanation: The server refuses a client session because the client is not configured for archive retention protection.

System action: Server operation continues.

User response: Either disable archive retention protection on the server or configure the client for archive retention protection.

ANR0470W Session session number for administrator administrator name refused - administrator password has expired.

Explanation: The server refuses the specified session because the administrator’s password has expired.

System action: Server operation continues.

User response: Upon receipt of this error condition, the client program immediately reconnects to the server specifying a password update session and prompts the
user for a new password. After the user enters a new password, the client reconnects to the server for normal operations. Alternatively, an authorized administrator can update the client password using the UPDATE ADMIN command.

**ANR0472E** The database manager did not start. A tablespace container is inaccessible.

**Explanation:** The server was unable to start the database manager.

**System action:** The server halts.

**User response:** Before restarting the server, check the following items:
- Reboot the system.
- Check that the directories for dbdir, log, or devices exists and that the file system is mounted (if it is on a separate file system).
- Make sure that the hardware and network connection are working properly.
- Fix any errors in the system log or db2diag.log.

**ANR0473W** Session session number for administrator administrator ID (client platform) refused - administrator name does not have the correct level of authority over client node.

**Explanation:** The server refuses a request to start an administrative session because the administrator name does not have appropriate authority over the node.

**System action:** Server operation continues.

**User response:** Use command GRANT AUTHORITY to grant appropriate authority to the current administrator ID.

**ANR0474W** Session session number for administrator administrator ID (administrator platform) was refused because administrators are not allowed to initiate sessions on the client port.

**Explanation:** The server did not start the specified administrative session because the administrator connected to the server on the server port that is used for client sessions, and the option ADMINONCLIENTPORT is set to NO. When different port numbers are used for administrative and client sessions (controlled by the TCPPORT and TCPADMINPORT options), and option ADMINONCLIENTPORT is set to NO, administrative sessions can be started only on the port used for administrative sessions (as specified by the TCPADMINPORT option).

**System action:** Server operation continues.

**User response:** Update the client options file to specify the port to be used for administrative sessions. This is typically specified by the TCPADMINPORT option in both client and server option files.

**ANR0475W** Session session number for node node name (client platform) refused - node is not allowed to initiate sessions on administrative port.

**Explanation:** The server had refused to start a session with the specified client node because the node connected to the server on the server's administrative port. When different port numbers are used for administrative and client sessions, client sessions may be started only on the port used for client sessions.

**System action:** Server operation continues.

**User response:** The client option file should be updated to specify the port to be used for client sessions. This is typically specified by TCPPORT option in both client and server option files. The MVS server also uses the ICSPORT option.

**ANR0476W** Session session number refused - node is not allowed to initiate sessions.

**Explanation:** The server had refused to start a session with the specified client node because the node is not allowed to initiate session. Only server initiated sessions are allowed with this client. The SESSIONINIT parameter of the REGISTER NODE and UPDATE NODE commands control the ability of a client to initiate sessions.

**System action:** Server operation continues.

**User response:** An administrator can use the UPDATE NODE command with the SESSIONINIT parameter to specify that the client may initiate sessions. Alternatively, sessions can be scheduled with the client that are stared by the server through server-prompted scheduling commands ( DEFINE SCHEDULE, DEFINE ASSOCIATION ).

**ANR0477W** Session session number refused - The client client node name cannot access the server with a platform type of client platform.

**Explanation:** A client with an invalid combination of node type and platform type has requested a session with the server. For example, a node id of type NAS can only sign on with a platform type of "TSMNAS", all other node types cannot use this platform type.

**System action:** The session request is refused. The server operation continues.

**User response:** Verify that the Id used by a client to sign on has the proper platform type.
ANR0478W  Session request refused. Server is running in standalone mode.

Explanation: A client has requested a session with the server. The server is running in a mode in which it cannot start client sessions.

System action: The session request is refused. The server operation continues.

User response: No response is required. To reduce or disable the display of this message, you can update the server options before running in standalone mode with the COMMMETHOD NONE option. This will allow the server to run without enabling client connections.

ANR0479W  Session session number for server server name (server platform) terminated - connection with server severed.

Explanation: If server A has opened a connection with server B, server B's session is ended because the communications link has been closed by a network error or by server A's program.

System action: Server A continues operation.

User response: If server B halts operation or in some way stops communicating with server A, this message will be displayed on server A indicating that the connection was closed suddenly by server B. A network failure can also cause this message to be displayed. If a large number of these messages occur simultaneously, check the network for failure and correct any problems.

ANR0480W  Session session number for node node name (client platform) terminated - connection with client severed.

Explanation: The specified client session is ended because the communications link has been closed by a network error or by the client program.

System action: Server operation continues.

User response: If a user breaks out of a client program, this message will be displayed on the server as the connection is suddenly closed by the client. A network failure can also cause this message to be displayed. If a large number of these messages occur simultaneously, check the network for failure and correct any problems.

ANR0481W  Session session number for node node name (client platform) was terminated. The client did not respond within commtimeout seconds seconds.

Explanation: The server ends a client session because the client was holding database locks during a transaction. The client did not respond within the number of seconds specified by the COMMTIMEOUT server option.

System action: The server rolls back the transaction that was in progress and the session is ended. Server operation continues.

User response: If this message appears frequently, consider incrementing the value specified for the COMMTIMEOUT option. Use the SETOPT command to change the value of the COMMTIMEOUT option without stopping or restarting the server. This update changes the amount of time that the server waits for an expected client message during an operation that causes a database update.

ANR0482W  Session session number for node node name (client platform) terminated - idle for more than idletimeout minutes minutes.

Explanation: The server ends a client session because it has been idle for more minutes than specified in the IDLETIMEOUT parameter in the server options file. The client program will automatically attempt to reconnect to the server when necessary.

System action: Server operation continues.

User response: If the problems persists, increase the value specified for the IDLETIMEOUT parameter in the server options file and restart the server. Many times, the client program is idle while waiting for the user to choose an action to perform (for example, backup, archive, restore, or retrieve files). If a user starts the client program and does not choose an action to perform, the session will eventually time out. The client program automatically reconnects to the server when the user chooses an action that requires server participation. Note that a large number of idle sessions can inadvertently prevent other users from connecting to the server, so care should be used when increasing the IDLETIMEOUT parameter.

ANR0483W  Session session number for node node name (client platform) terminated - forced by administrator.

Explanation: The server ends a client session in response to a CANCEL SESSION command issued by an authorized administrator.

System action: The server rolls back any transactions in progress for the terminated client session.

User response: None.

ANR0484W  Session session number for node node name (client platform) terminated - protocol violation detected.

Explanation: The server ends the specified session because a communications protocol error by the client has been detected.

System action: The server ends the client session.

User response: Examine the client message to
determine the problem. Correct the programming error in the client program. If the error cannot be isolated and resolved, contact your service representative.

If this session is a proxied LAN-Free session for a storage agent, this error may be the result of a mount point or volume preemption on the storage agent. Review the messages logged by the storage agent to determine if a storage agent action caused this to occur.

ANR0485W  Session  

**session number** for node node name (client platform) terminated - 
sufficient memory is not available.

**Explanation:** The server ends the specified session because sufficient memory (virtual memory) is not available.

**System action:** The server ends the session and continues operation.

**User response:** See the documentation for the operating system about how to increase memory for an application.

ANR0486W  Session  

**session number** for node node name (client platform) terminated - 
internal error detected.

**Explanation:** The specified client session is ended by the server because an internal processing error has been detected on the server. A programming error may have occurred in the server program.

**System action:** The session is ended and server operation continues.

**User response:** If this session is a proxied LAN-Free session for a storage agent, this error may be the result of a mount point or volume preemption on the storage agent. Review the messages logged by the storage agent to determine if a storage agent action caused this to occur.

If the cause of the error can not be determined after reviewing the activity log, contact your service representative.

ANR0487W  Session  

**session number** for node node name (client platform) terminated - 
preempted by another operation.

**Explanation:** The server ends a client session in response to a cancel request issued by a higher priority operation that needed the mount point that the client was using.

**System action:** The server rolls back any transactions in progress for the terminated client session.

**User response:** Reissue the operation. If this message appears frequently, consider increasing the mountlimit value for the affected device class.

ANR0488W  Session  

**session number** for node node name (client platform) terminated - 
transfer rate is less than (transfer rate) and more than (elapsed time since first data transfer) minutes have elapsed since first data transfer.

**Explanation:** The server is canceling client session number **session number**. Depending on the state of the session, it may take a while for the session to be canceled. The server ends a client session because it has been active for more minutes than specified in the THROUGHPUTTIMETHRESHOLD parameter in the server options file and the data transfer rate is less than the amount specified with the THROUGHPUTDATATHRESHOLD parameter in the server options file. The client is transferring data to the server at an abnormally slow rate and may have become a bottleneck for handling data from other clients. If the client has caused log records to be written, it is possible that this client will prevent log space reclamation.

**System action:** The session is canceled and server operation continues.

**User response:** If a low data transfer rate is not a problem, the THROUGHPUTTIMETHRESHOLD or THROUGHPUTDATATHRESHOLD parameters in the server options file can be set to zero - this will disable the throughput check. The change can be made without taking down the server and restarting it by using the SETOPT THROUGHPUTTIMETHRESHOLD or the SETOPT THROUGHPUTDATATHRESHOLD commands. If a low data transfer rate is not expected, external causes should be investigated. This would include network problems and problems in accessing data on the client node. The client program may automatically reconnect to the server, so this message may appear on subsequent sessions until the data transfer problem is resolved. The default server operation is not to perform a throughput check.

ANR0489W  Session  

**session number** refused for client node name - NAS type nodes are not supported by a storage agent.

**Explanation:** The specified client tried to connect to a storage agent. The storage agent does not support a node that is defined as TYPE=NAS.

**System action:** The session request is refused. The server operation continues.

**User response:** The client should be re-configured to not try LAN-free operations. This may be done by setting UPDATE_NODE ENABLELANFREE=NO for the client.
ANR0490I  Canceling session session number for node node name (client platform).

Explanation: The server is canceling client session number session number. This message is displayed in response to the CANCEL SESSION command. Depending on the state of the session, it may take a while for the session to be canceled.

System action: The session is canceled and server operation continues.

User response: None.

ANR0491I  No matching session(s) found to cancel.

Explanation: The server cannot find any sessions to cancel matching the specifications entered in the CANCEL SESSION command.

System action: Server operation continues.

User response: Use the QUERY SESSION command to ensure that the session you wish to cancel is connected. Reissue the command using the appropriate session number to cancel the client session.

ANR0492I  All drives in use. Session session number for node node name (client platform) being preempted by higher priority operation.

Explanation: When a high priority operation attempted to find an available drive, all the drives were being used. To free up a drive for this operation, the client session identified is being cancelled by the system.

System action: The lower priority client session is cancelled to free up the mount point (drive).

User response: When a drive again becomes available, restart the session that was cancelled. This session was most likely a backup/archive session and you may just want to let it restart automatically during its next scheduled backup window. See the MOUNTLIMIT parameter on the UPDATE DEVCLASS command.

ANR0493I  Restore session session number canceled.

Explanation: The specified session was canceled with the CANCEL RESTORE command.

System action: The restore session is canceled and server operation continues.

User response: None.

ANR0494E  Session session number operation for client client node name (client platform) has been denied because verb (type verb name) is not allowed when archive retention is active.

Explanation: The server refuses the specified client operation because archive retention protection is active.

System action: Server operation continues.

User response: Do not send the specified operation to the server when archive retention protection is active.

ANR0495I  Cannot cancel the specified EXPORT/IMPORT session.

Explanation: The server cannot cancel the session specified in the CANCEL SESSION command.

System action: Server operation continues.

User response: Export/Import sessions cannot be canceled using CANCEL SESSION. The user should use the CANCEL PROCESS command to terminate the EXPORT/IMPORT operation.

ANR0496E  Session session number operation for client client node name (client platform) has been denied because verb (type verb name) is not allowed when archive retention is active.

Explanation: The server refuses the specified client operation because archive retention protection is active.

System action: Server operation continues.

User response: Do not send the specified operation to the server when archive retention protection is active.

ANR0497W  Session request refused from non-Express client.

Explanation: A non-Express client has requested a session with the Express server. Only connections from an Express client will be accepted by an Express server.

System action: The session request is refused. The server operation continues.

User response: None.
ANR0498W  Session session number refused for client node name because restore DB is in progress.

Explanation:  Restore DB is in progress, only connection from Client related to restore DB are allowed.

System action:  The session request is refused. The server Restore DB operation continues.

User response:  None.

ANR0500W  Transaction failed for session session number for node node name (client platform) - invalid password submitted.

Explanation:  The server ends a password update transaction because the user has not correctly specified the current password.

System action:  Server operation continues.

User response:  Update your password by correctly specifying the current password. If the current password has been misplaced, the administrator can reassign a password for the client by using the UPDATE NODE or UPDATE ADMIN command.

ANR0501W  Transaction failed for session session number for node node name (client platform) - invalid policy binding specified.

Explanation:  The server ends a database update transaction for the specified session because an invalid management class has been specified for a file or directory object.

System action:  The specified session is ended and server operation continues.

User response:  Correct the programming error in the client program if it has been written by your installation using WDSF verbs. Otherwise, contact your service representative.

ANR0502E  Transaction failed for session session number for node node name (client platform) - A storage pool for the target destination is associated with a device class that has a Centera device type.

Explanation:  The server ends a database update transaction for the specified session because an invalid management class has been specified. Centera device types may be used only for archive objects.

System action:  The specified session is ended and server operation continues.

User response:  Ensure that Centera device types are associated with device classes that are used only for archive operations. The UPDATE COPYGRP command can be used to update copy groups associated with space management and/or backup storage pools so that they point to valid destinations.

ANR0503I  Session session number for administrator administrator name logged in as node node name restored or retrieved object type object: node node name, filesystem filesystem name, object object name, version version of total version.

Explanation:  This message logs information about an object that was restored or retrieved by an administrator logged in for a node.

System action:  Server operation continues.

User response:  None.

ANR0504I  Session session number for node node name(Userid=user id), restored or retrieved object type object: node node name, filesystem filesystem name, object object name, version version of total version.

Explanation:  This message logs information to the activity log about an object that was restored or retrieved by a user logged in for a node. A user ID with no value indicates that an administrative or root user on the platform initiated the restore.

System action:  Server operation continues.

User response:  None.

ANR0505E  The database manager encountered a null value for column name during the data fetching.

Explanation:  The server received an unexpected data value.

System action:  The server cannot process the command.

User response:  Before reissuing the command, try the following actions:
- Reboot the system.
- Check that the directories for dbdir, log, or devices exists and that the file system is mounted (if it is on a separate file system).
- Make sure that the hardware and network connection are working properly.
- Fix any errors in the system log or db2diag.log.

ANR0506I  A full backup has been started for database DB Alias. This backup is required.

Explanation:  This level of the Tivoli Storage Manager server uses a new version of the database manager that has a new format for log files. Database backups...
created prior to this level of the server cannot be used to restore the database. A new database backup image is needed to ensure that the database is protected.

**System action:** A full database backup is started.

**User response:** None.

**ANR0507E** Protocol error on session session number for node client node name (client platform) because an owner was not properly provided for the indicated node.

**Explanation:** The session does not adhere to the client-server exchange sequence, therefore the server detected a protocol error on the specified session.

**System action:** The server ends the client session.

**User response:** If the client runs in a non-standard environment, the server detects that the owner field is not being sent properly. It is not recommended to run the client in a non-standard environment.

**ANR0508E** An automatic full database backup for database DB Alias has failed.

**Explanation:** A full database backup failed. This message always accompanies one or more other message that provides more details about the error.

**System action:** The server operation continues.

**User response:** Examine the server messages that were issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages.

**ANR0509E** The database restore failed on DB Alias due to the log format differences between database manager versions.

**Explanation:** The database restore failed because the backup image was produced by a previous version of the database manager.

**System action:** The database restore terminates.

**User response:** If you need to restore the database immediately, uninstall the upgraded server, re-install the previous version of the server, then run the restore command. Otherwise, start the upgraded server. The upgraded server creates a new backup image automatically. After the database backup completes, run the server restore utility again.

**ANR0510I** Session session number opened output volume volume name.

**Explanation:** The indicated session has opened the specified volume for output processing.

**System action:** Processing continues.

**User response:** None.

**ANR0511I** Process process number opened input volume volume name.

**Explanation:** The indicated process has opened the specified volume for input processing. You may or may not see an associated ANR0515I message for this process/volume combination, since some volumes are shared between multiple processes.

**System action:** Processing continues.

**User response:** None.

**ANR0512I** Process process number opened input volume volume name.

**Explanation:** The indicated process has opened the specified volume for input processing. You may or may not see an associated ANR0515I message for this process/volume combination, since some volumes are shared between multiple processes.

**System action:** Processing continues.

**User response:** None.

**ANR0513I** Process process number opened output volume volume name.

**Explanation:** The indicated process has finished using the specified volume.

**System action:** Processing continues.

**User response:** None.

**ANR0514I** Session session number closed volume volume name.

**Explanation:** The indicated session has finished using the specified volume.

**System action:** Processing continues.

**User response:** None.

**ANR0515I** Process process number closed volume volume name.

**Explanation:** The indicated process has finished using the specified volume. It is possible that the process indicated was not the process that opened the volume.

**System action:** Processing continues.

**User response:** None.

**ANR0516E** SQL processing for statement statement failed.

**Explanation:** The indicated select statement failed. The failure was caused by a syntax error with the statement itself.

**System action:** The select statement failed.

**User response:** None.
User response: Review the server activity log for message ANR0162W for an explanation of the error that caused this statement to fail.

ANR0517E  
command: The DEDUPLICATION parameter cannot be used with either the TYPE=SERVER or TYPE=NAS parameter.

System action: The command failed.

User response: Reissue the command without the DEDUPLICATION parameter.

ANR0518W  NDMP restore failed for session number for node node name (client platform), file space filespace.

Explanation: The server ends a restore operation for the specified NAS node because an error has been encountered on the server. Some common reasons for the error are:
- The input volume is unavailable
- The storage pool is unavailable
- Data is corrupted on the input volume
- Hardware or media failure has occurred
- The server database is corrupted

System action: The server ends the restore operation.

User response: Examine any prior error messages to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages if needed. Correct any problem and try the restore again. You can also refer to the Problem Determination Guide for problem determination hints and information. If the data is also backed up in a copy storage pool, the retry operation will attempt to read the file from the alternate location. If retry of the restore operation continues to fail contact your service representative.

ANR0519E  A retrieve or restore operation failed for session number for node node name (client platform). An invalid partial object request was received.

Explanation: The server ended a file retrieve or restore operation for the specified session because an invalid value for the offset, length, or both was received from the client application for the object being retrieved or restored.

System action: The server ends the specified operation and server operation continues.

User response: Specify an offset, length, or both within the bounds of the object to be retrieved or restored, and rerun the application.

ANR0520W  Transaction failed for session number for node node name (client platform) - storage pool pool name is not defined.

Explanation: The server rolls back a database update transaction for the specified session because the destination specified for a management class copy group specifies the named storage pool, but that storage pool does not exist.

System action: Server operation continues.

User response: An administrator with policy authority over the client policy domain must correct management class definitions so that copy group destinations refer to defined storage pools, or the specified storage pool must be created by an authorized administrator.

ANR0521W  Transaction failed for session number for node node name (client platform) - object excluded by size in storage pool pool name and all successor pools.

Explanation: The server ends a database update transaction for the specified session because the size of a file sent from the client node is larger than that allowed in the storage pool specified in the client’s management class copy group. No successor storage pools to the one specified on the copy group can accept the large file.

System action: The specified session is ended and server operation continues.

User response: If the client is not using compression to send files to the host, turn compression on for the client (using the UPDATE NODE command) to try and resolve the problem. Otherwise, the maximum file size for one or more of the storage pools in the storage hierarchy can be increased to accommodate the file. An authorized administrator can increase the MAXSIZE parameter by issuing the UPDATE STGPOOL command.

ANR0522W  Transaction failed for session number for node node name (client platform) - no space available in storage pool pool name and all successor pools.

Explanation: The server ends a database update transaction for the specified session because the storage pool specified in the client’s management class copy group does not contain enough free space to hold the files sent from the client. Successor storage pools to the one specified on the copy group do not contain enough free space.

System action: The specified session is ended and server operation continues.

User response: An authorized administrator can issue the DEFINE VOLUME command to add storage to one
or more storage pools in the storage hierarchy. This action may also involve creating storage space by using an operating system specific utility.

**ANR0523W** Transaction failed for session session number for node node name (client platform) - error on output storage device.

**Explanation:** The server ends a database update transaction for the specified client because an I/O error has been encountered by the server in writing to a device.

**System action:** The specified session is ended and server operation continues.

**User response:** Query the activity log to find messages preceding this one that specify the failing device. Storage pool volumes can be varied offline (by using the VARY command), or the server may need to be halted to correct the hardware problem. After the problem is corrected, the client should retry the operation.

**ANR0524W** Transaction failed for session session number for node node name (client platform) - data transfer interrupted.

**Explanation:** The database transaction associated with session session number was aborted because data transfer to or from data storage was interrupted by an external event.

**System action:** The session is canceled and server operation continues.

**User response:** Examine the messages issued prior to this message to determine why the data transfer was interrupted. Attempt the client operation again if the problem can be resolved.

**ANR0525W** Transaction failed for session session number for node node name (client platform) - storage media inaccessible.

**Explanation:** The server ends a transaction for the specified session because storage volumes are not available in the storage pools in which the client’s files are to be stored.

**System action:** The server ends the specified session and server operation continues.

**User response:** An authorized administrator can issue the DEFINE VOLUME command to add storage to one or more storage pools in the storage hierarchy. The VARY ONLINE command can be used to vary offline storage volumes online in the storage hierarchy to make them available to client nodes for file storage.

**ANR0526W** A transaction failed for session session number for node node name (client platform) because of insufficient recovery log space.

**Explanation:** If a log runs out of space, the current transaction is rolled back. The server issues an error message and halts. You cannot restart the server until the recovery log size is increased.

**System action:** The server halts.

**User response:** Monitor archive logs and active logs. If the recovery log space is insufficient, monitor the archive log space first. If the archive log space is full or nearly full, run a full database backup to remove archive logs and consider adding more disk space to the archive log directory. If the archive log space is not full and the active log space is full or nearly full, update the value of the ACTIVELOGSIZE option in the dsmserv.opt file. Set the value of the ACTIVELOGSIZE option to the new maximum size of the active log.

**ANR0527W** A transaction failed for session session number for node node name (client platform) because of insufficient database space.

**Explanation:** The server ends a database update transaction for the specified session because the server has insufficient database space.

**System action:** The server ends the specified session, but server operation continues.

**User response:** To increase the amount of database space that is available to the server, issue the EXTEND DBSPACE command. Add one or more directories to the database.

**ANR0528W** Transaction failed for session session number for node node name (client platform) - thread resource not available.

**Explanation:** The server ends a database update transaction for the specified session because sufficient memory is not available for starting additional processes on the server.

**System action:** The server ends the specified session and server operation continues.

**User response:** See the documentation for the operating system about how to increase memory for an application.

**ANR0529W** Transaction failed for session session number for node node name (client platform) - insufficient memory.

**Explanation:** The server ends a database update transaction for the specified session because sufficient memory is not available on the server.
System action: The server ends the specified session and server operation continues.

User response: See the documentation for the operating system about how to increase memory for an application.

ANR0530W Transaction failed for session session number for node node name (client platform) - internal server error detected.

Explanation: The server ends a database update transaction for the specified session because an internal logic error is detected.

System action: The server ends the specified session and server operation continues.

User response: Examine the server messages that were issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages that indicate the source of the error.

ANR0531W Transaction failed for session session number for node node name (client platform) - invalid file space identifier specified by client.

Explanation: The server ends a database update transaction for the specified session because the file space identified by the client for the transaction does not exist.

System action: This action usually occurs when a client is operating on a file space that is currently being deleted as a result of an administrative command or client action. The server ends the specified session and server operation continues.

User response: Use the QUERY PROCESS command to monitor and wait for any file space deletion processes to complete, or cancel the process if you do not want to delete the file space. Try the client action again after this action has been taken.

ANR0532W Diagnostic(ID): Transaction transaction ID was aborted for session session number for node node name (client platform).

Explanation: An error has been detected during a transaction commit for the specified session. This message should be preceded by other messages that give additional information about the failed transaction.

System action: The activity that generated this error fails.

User response: Check for additional messages and eliminate the condition that caused the failed transaction. If the error cannot be isolated and resolved, contact your service representative.

ANR0533W Transaction failed for session session number - compression method used by client not supported. Please obtain the latest level of the client code.

Explanation: The server ends the transaction for the specified session because the compression method that is used by the client is no longer supported by the server.

System action: The server ends the specified session and server operation continues.

User response: The client must either backup the data with compression turned off, or upgrade to a client that supports the newer compression method. If the client is a WDSF client, upgrade to a non-WDSF client in order to use the compression performed by the client.

ANR0534W Transaction failed for session session number for node node name (client platform) - size estimate exceeded and server is unable to obtain additional space in storage pool pool name.

Explanation: The server ends a database update transaction for the specified session because the size estimate provided by the client is too small. The server has attempted to obtain additional space in the indicated storage pool, but was unable to do so.

System action: The specified session is ended and server operation continues. If pool name is a random access storage pool with caching enabled, it is also possible that additional space can be made available in this storage pool by eliminating cached files. When the server allocates space based on the size estimate provided by the client, it frees space occupied by cached files if this space is needed to obtain the estimated space. However, if the server later determines that the file size estimate was too low, it attempts to obtain additional space that is not utilized, but does not delete cached files to do so. If the client sending the data has the option COMPRESSALWAYS YES set, it is possible that a file grew during the compression operation and when the client sent it to the server it exceeded the space available in storage pool pool name.

User response: This message may indicate that there is no additional space in pool name. The following are possible circumventions:

An authorized administrator can issue the DEFINE VOLUME command to add storage to this pool.

If the suspected cause of the failure is that pool name is a DISK storage pool and that space in use by cached files was not freed, turn off caching for the storage pool and issue the MOVE DATA command for the volumes in pool pool name.

If the suspected cause of the failure is that a file grew in size during compression on the client, another possible circumvention is to set the
COMPRESSALWAYS option in the client options file to NO and retry the operation. This may allow the client to accurately report the file size and possibly avoid the out of space condition in the storage pool.

Transaction failed for session session number for node node name (client platform) - insufficient mount points available to satisfy the request.

Explanation: The server was unable to allocate sufficient mount points to process the transaction.

System action: The operation is ended and server operation continues.

User response: If necessary, make more mount points available or validate your device class and library configuration.

Transaction failed for session session number for node node name (client platform) - down-level client does not support format of stored files.

Explanation: A client attempts to perform an operation involving files that are stored in a format that is not supported by that client level.

System action: The operation is ended and server operation continues.

User response: Upgrade the client to a later level.

Transaction failed for session session number for node node name (client platform) - filesystem name cannot be renamed from or to a Unicode name.

Explanation: The server ends a database update transaction for the specified session because a file space was attempted to be renamed to or from unicode.

System action: The server ends the specified transaction and server operation continues.

User response: Do not attempt to rename a unicode file space to a non-unicode name or a non-unicode file space to a unicode name.

A resource waiter has been aborted.

Explanation: The server aborts a resource wait because of waiting too long for a resource to become available. This could cause a process or session to fail. If this causes a process or a session to fail then there will be other messages at this time indicating which process or session has failed. Resources are internal server resources such as locks and synchronization objects.

System action: The server terminates the resource with request and server operation continues.

Retrieve or restore failed for session session number for node node name (client platform) - data integrity error detected.

Explanation: The server ends a file retrieval operation for the specified session because an internal database integrity error has been encountered on the server.

System action: The server ends the specified session and continues operation.

User response: Contact your service representative.

Retrieve or restore failed for session session number for node node name (client platform) - error on input storage device.

Explanation: The server ends a client retrieval or restore operation for the specified session because an I/O error has been encountered by the server in reading from a device.

System action: The server ends the specified session and server operation continues.
User response: Query the activity log to find messages preceding this one that specify the device that is failing. Storage pool volumes can be varied offline (by using the VARY OFFLINE command), or the server may need to be shut down by using the HALT command to correct the hardware problem. After the problem is corrected, the client may try the operation again.

**ANR0542W** Retrieve or restore failed for session

`session number` for node `node name` (`client platform`) - storage media inaccessible.

**Explanation:** The server ends a client retrieval or restore operation for the specified session because a needed storage pool volume has been varied offline or the storage pool is unavailable.

**System action:** The server ends the specified session and server operation continues.

**User response:** Use the VARY ONLINE command to vary offline storage volumes online in the storage hierarchy and make them available to client nodes for file storage. If all volumes are online, check the ACCESS parameter of the storage pool. If the access mode is UNAVAILABLE, use the UPDATE STGPOOL command to update it to READONLY or READWRITE.

**ANR0543W** Retrieve or restore failed for session

`session number` for node `node name` (`client platform`) - data transfer interrupted.

**Explanation:** The database transaction associated with session `session number` was aborted because data transfer to or from data storage was interrupted by an external event.

**System action:** The session is canceled and server operation continues.

**User response:** Examine the messages issued prior to this message to determine why the data transfer was interrupted. Attempt the client operation again, if the problem can be resolved.

**ANR0544W** Retrieve or restore failed for session

`session number` for node `node name` (`client platform`) - thread resource not available.

**Explanation:** The server ends a file retrieval or restore operation for the specified session because sufficient memory is not available for starting additional processes on the server.

**System action:** The server ends the specified session and server operation continues.

**User response:** See the documentation for the operating system about how to increase memory for an application.

**ANR0545W** Retrieve or restore failed for session

`session number` for node `node name` (`client platform`) - insufficient memory.

**Explanation:** The server ends a file retrieval or restore operation for the specified session because sufficient memory is not available on the server.

**System action:** The server ends the specified session and server operation continues.

**User response:** See the documentation for the operating system about how to increase memory for an application.

**ANR0546W** Retrieve or restore failed for session

`session number` for node `node name` (`client platform`) - internal server error detected.

**Explanation:** The server ends a file retrieval or restore operation for the specified session because an internal logic error is detected in the server program.

**System action:** The server ends the specified session and continues operation.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0547E** Invalid data was encountered in the command processor output stream: output formatting terminated for the last command entered.

**Explanation:** The server console session encounters an error in formatting output from a command.

**System action:** The command output is discarded and server operation continues.

**User response:** Use the server QUERY command to determine if the command you entered had the desired affect in the server. Use the QUERY ACTLOG command to see if a server error condition (like out of memory) occurred prior to the command. Resolve the error if it is found. Contact your service representative if you cannot resolve the error, or if an error is not found.

**ANR0548W** Retrieve or restore failed for session

`session number` for node `node name` (`client platform`) processing file space `filespace` filespace id for file file name stored as storage repository - error detected.

**Explanation:** The server ends a file retrieval operation for the specified session because an error has been encountered on the server. Some common reasons for the error are:
The input volume is unavailable
- The storage pool is unavailable
- Data is corrupted on the input volume
- Hardware or media failure has occurred
- Database corruption  
  
**System action:** The server ends the specified session and continues operation.

**User response:** Try the restore or retrieve operation again, and if the file is also backed up in a copy storage pool, the operation will attempt to read the file from the alternate location. If retry of the restore or retrieve operation continues to fail examine any prior error messages to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages if needed. Correct the problem and try the restore or retrieve again. You can also refer to the Problem Determination Guide for problem determination hints and information. If retry of the restore or retrieve operation continues to fail contact your service representative.

**ANR0549W**  
Transaction failed for session session number for node node name (client platform) - no existing restore session found.

**Explanation:** A client attempted to start an additional no query restore session to increase restore throughput, but the original restore session was not found.

**System action:** The operation is ended and server operation continues.

**User response:** Check the status of the original restore. It may have already completed or been cancelled. The QUERY SESSION command and the QUERY RESTORE commands can provide information about existing sessions and restore sessions which are restartable.

**ANR0550E**  
The client operation failed for session session number for node node name (client platform) - see previous error messages.

**Explanation:** The indicated operation has failed. This message is always preceded by one or more other error messages which provide more detail about why the command failed.

**System action:** The operation is ended and server operation continues.

**User response:** Examine the previous error messages to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages if needed. Correct the problem and try the command again.

**ANR0551E**  
The client operation failed for session session number for node node name (client platform) - lock conflict.

**Explanation:** An operation that requires the server to lock a system resource has been initiated. The operation cannot be executed because the resource is already in use by another command or process.

**System action:** The server does not process the command.

**User response:** Try the command again at a later time.

**ANR0552E**  
Client operation failed for session session number for node node name (client platform) - destination storage pool storage pool was skipped.

**Explanation:** The indicated client operation failed because the destination storage pool was skipped. A storage pool may be skipped because it does not have enough available space, or because it has a MAXSIZE value that is less than the size of the object to be inserted.

**System action:** The operation fails.

**User response:** Ensure that the destination storage pool is available, has an adequate MAXSIZE setting, and has adequate space. The MAXSIZE setting may be changed using the UPDATE STGPOOL command. Space may be added to the storage pool by checking in scratch volumes or defining new volumes in the storage pool. If volumes in the destination storage pool are offline, use the VARY ONLINE command to vary them online and make them available for use. Correct the problem and try the command again.

**ANR0553E**  
Client operation failed for session session number - administrator administrator name does not have adequate authority over node node name.

**Explanation:** The specified administrator does not have the proper authority necessary to perform this operation on the specified node.

**System action:** The server does not perform the query.

**User response:** Issue the command from a properly authorized administrator ID, or contact the system administrator to have additional authority granted to the current administrator ID.

**ANR0554E**  
command name: The parameter name parameter is only valid if the TOSERVER parameter is specified.

**Explanation:** The command failed because the TOSERVER parameter was not specified.

**System action:** The command fails and server operation continues.
User response: Reissue the command and specify the TOSERVER parameter. For information on valid values for the command parameter, refer to the Administrator’s Reference for your particular platform.

ANR0555E  command name: The parameter name parameter cannot be specified when the TOSERVER parameter is specified.

Explanation: The command failed because the TOSERVER parameter was not specified.

System action: The command fails and server operation continues.

User response: Reissue the command and omit the TOSERVER parameter. For information on valid values for the parameter for the command parameter, refer to the Administrator’s Reference for your particular platform.

ANR0556E  command name: DATES=RELATIVE parameter value cannot be specified when merging imported files using the MERGE=YES parameter value.

Explanation: When importing files and merging them into existing file spaces, the DATES=RELATIVE parameter value cannot be specified.

System action: The command fails and server operation continues.

User response: Reissue the command and omit the DATES=RELATIVE parameter. For information on valid values for the parameter for the command parameter, refer to the Administrator’s Reference for your particular platform.

ANR0557I  Import command: An invalid export record (version version, copy type copy type, object type object type) was found.

Explanation: An invalid import record was found for the specified version, copy type and object type. The object will be skipped, and import processing will continue.

System action: Server operation continues.

User response: Issue QUERY ACTLOG to determine the source of the error.

ANR0558W  Import processing did not create a proxynode association for nodes node_id_target and node_id_agent.

Explanation: Import processing did not create a proxynode association between the two nodes. The association fails if either of the nodes does not exist on the server, or if import processing was not allowed to complete.

System action: The server does not create the specified proxynode association.

User response: Verify that both nodes were imported properly and issue the import command again. Or, use the GRANT PROXYNODE command to manually create the proxynode association.

ANR0559E  Too many domains are specified on the EXPORT NODE command.

Explanation: The maximum length of the domain list cannot exceed approximately 1400 characters.

System action: The EXPORT command is ended.

User response: If you specified DOMAIN=* on the command, issue the command again without specifying the domain to let it default to all domains. If you specified a domain list, then split up the EXPORT into multiple export commands to reduce the number of domains specified on the command.

ANR0560E  Import command: Unable to decrypt encrypted password or key.

Explanation: The server is not able to decrypt the password associated with a node or administrator, or the client encryption key associated with an object being imported. The password or key was encrypted with the AES encryption standard, but the server does not support AES.

System action: The object is not imported.

User response: Rerun the export command, specifying the ENCryptionstrength=DES option. Or, rerun the import on a server that supports AES.

ANR0561E  Export command: Process aborted - sign on to server, target server name, failed.

Explanation: The server export process encountered an error in establishing a communication session with the target server.

System action: The export process ends and server operation continues.

User response: Check the activity log and server console for messages that indicate a failure or problem on the server issuing this command and on the target server. Next, check the server definition, administrator name, and password on both the server issuing the command and the server specified. Also, check the communication connection between the two servers. And finally, verify that the target server specified is running. If the problem is not resolved, contact your service representative.

ANR0562I  Export command: Data transfer complete, deleting temporary data.

Explanation: The server export process has completed writing data to the target media or server. Temporary
data used during the operation is now being deleted from the database.

**System action:** The export process continues until all temporary data is removed.

**User response:** None.

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**ANR0563W** NDMP restore failed for node node name, file space filespace.

**Explanation:** The server ends a restore operation for the specified NAS node because an error has been encountered on the server. Some common reasons for the error are:

- The input volume is unavailable
- The storage pool is unavailable
- Data is corrupted on the input volume
- Hardware or media failure has occurred
- The server database is corrupted

**System action:** The server ends the restore operation.

**User response:** Examine any prior error messages to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages if needed. Correct any problem and try the restore again. You can also refer to the Problem Determination Guide for problem determination hints and information. If the data is also backed up in a copy storage pool, the retry operation will attempt to read the file from the alternate location. If retry of the restore operation continues to fail contact your service representative.

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**ANR0564E** Restartable restore request failed for session session number, restartable restore session restore session number - sessions are active from the original restore.

**Explanation:** A client attempted to restart a restartable no query restore session; However, sessions from the original no query restore invocation are still active. Both the current and restartable restore session numbers are shown.

**System action:** The restartable restore request is ended and server operation continues. The restore’s restartability status does not change.

**User response:** Check the status of the original restore. The QUERY RESTORE command can be used to show the status of restartable restores. The restartable restore session number is the one for which sessions were found to be running. Sessions may be active on either the server or a storage agent. Restartable restores may be cancelled by issuing the CANCEL RESTORE command, after which the restore may be retried. Once CANCEL RESTORE is issued for a restore session, it is not eligible to be restarted.

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**ANR0565W** Retrieve or restore failed for session session number for node node name (client platform) - file was deleted from data storage during retrieval.

**Explanation:** The server ends a file retrieval operation for the specified session because the file has been deleted from data storage by another process before retrieval is complete.

**System action:** The server ends the specified session and continues operation.

**User response:** Contact your administrator to find out if DELETE FILESPACE, DELETE VOLUME, or inventory expiration processes are running; these processes can delete data storage files during retrieval. Reissue the restore or retrieve operation and specify a different file version.

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**ANR0566W** Retrieve or restored failed for session session number for node node name (client platform) - insufficient mount points available to satisfy the request.

**Explanation:** The server was unable to allocate sufficient mount points to process the retrieve or restore operation.

**System action:** The operation is ended and server operation continues.

**User response:** If necessary, make more mount points available.

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**ANR0567W** Session session number for admin admin name (client platform) terminated - connection with client severed.

**Explanation:** The specified admin session is ended because the communications link has been closed by a network error or by the client program.

**System action:** Server operation continues.

**User response:** If a user breaks out of a client program, this message will be displayed on the server as the connection is suddenly closed by the client. A
network failure can also cause this message to be displayed. If a large number of these messages occur simultaneously, check the network for failure and correct any problems.

**ANR0569I** Object not processed for node name: type=type, file space=filespace name, object=object name.

**Explanation:** An error occurred. The object for node name, identified by type, file space and object name was not processed.

**System action:** Server action is defined by the error that occurred.

**User response:** Issue QUERY ACTLOG to determine the source of the error.

**ANR0570E** Export command: Invalid value for DURUNITS parameter detected while exporting administrative schedule schedule name - default or existing value is used during import.

**Explanation:** During processing of command export command, an invalid value is encountered for the DURUNITS parameter for administrative schedule schedule name.

**System action:** Export processing continues, but the exported data contains an unknown DURUNITS value for this schedule. If this data is imported, the server uses the default or existing DURUNITS value.

**User response:** Update the DURUNITS value for this schedule and restart the export command. Alternatively, use the export data with the unknown value, and check and update the DURUNITS value after import processing has been performed.

**ANR0571E** Export command: Invalid value for PERUNITS parameter detected while exporting administrative schedule schedule name - default or existing value is used during import.

**Explanation:** During processing of command export command, an invalid value is encountered for the PERUNITS parameter for administrative schedule schedule name.

**System action:** Export processing continues, but the exported data will contain an unknown PERUNITS value for this schedule. If this data is imported, the server uses the default or existing PERUNITS value.

**User response:** Update the PERUNITS value for this schedule and restart the export command. Alternatively, use the export data with the unknown value, and check and update the PERUNITS value after import processing has been performed.

**ANR0572E** Export command: Invalid value for DAYOFWEEK parameter detected while exporting administrative schedule schedule name - default or existing value is used during import.

**Explanation:** During processing of command export command, an invalid value is encountered for the DAYOFWEEK parameter for administrative schedule schedule name.

**System action:** Export processing continues, but the exported data contains an unknown DAYOFWEEK value for this schedule. If this data is imported, the server uses the default or existing DAYOFWEEK value.

**User response:** Update the DAYOFWEEK value for this schedule and restart the export command. Alternatively, use the export data with the unknown value, and check and update the DAYOFWEEK value after import processing has been performed.

**ANR0573I** Export/import command: Processing administrative schedule schedule name.

**Explanation:** The background export or import process to service the command export/import command is currently processing the schedule definition information for administrative schedule schedule name.

**System action:** Export or import processing for the command continues.

**User response:** None.

**ANR0574E** Import command: Invalid value for DURUNITS or PERUNITS parameter in exported data for administrative schedule schedule name.

**Explanation:** During preview processing of command import command, an invalid value is encountered for the DURUNITS or PERUNITS parameter for administrative schedule schedule name.

**System action:** Processing of the command continues. If a later command is issued that causes the data to be imported, the default or existing values are used for DURATION, DURUNITS, PERIOD, and PERUNITS.

**User response:** If the data is imported with a later command, verify that the correct values for DURATION, DURUNITS, PERIOD, and PERUNITS are used for this schedule.

**ANR0575E** Import command: Invalid value for DAYOFWEEK parameter in exported data for administrative schedule schedule name.

**Explanation:** During preview processing of command import command, an invalid value is encountered for the DAYOFWEEK parameter for administrative schedule schedule name.
System action: Processing of the command continues. If a later command is issued that causes the data to be imported, the default or existing DAYOFWEEK value is used.

User response: If the data is imported with a later command, verify that the correct DAYOFWEEK value is used for this schedule.

ANR0576E Import command: Invalid value for DURUNITS or PERUNITS parameter in exported data - administrative schedule schedule name defined with default values for DURATION, DURUNITS, PERIOD, and PERUNITS.

Explanation: During processing of command import command, an invalid value is encountered for the DURUNITS or PERUNITS parameter for administrative schedule schedule name.

System action: Processing of the command continues, by using the default values for DURATION, DURUNITS, PERIOD, and PERUNITS.

User response: Verify that the correct values have been used for DURATION, DURUNITS, PERIOD, and PERUNITS. Update these values, if necessary.

ANR0579E Import command: Invalid value for DAYOFWEEK parameter in exported data - existing DAYOFWEEK value for administrative schedule schedule name was not updated.

Explanation: During processing of command import command, an invalid value is encountered for the DAYOFWEEK parameter for administrative schedule schedule name.

System action: Processing of the command continues, by using the existing DAYOFWEEK value for this schedule.

User response: Verify that the correct DAYOFWEEK value has been used for this schedule. Update this value, if necessary.

ANR0580E Export command: Invalid value for SPACEMGTECHNIQUE parameter detected while exporting management class management class name in domain domain name, set policy set name - default or existing value is used during import.

Explanation: During processing of command export command, an invalid value is encountered for the SPACEMGTECHNIQUE parameter for management class management class name in domain domain name, policy set policy set name.

System action: Export processing continues, but the exported data contains an unknown SPACEMGTECHNIQUE value for this management class. If this data is imported, the default or existing SPACEMGTECHNIQUE value is used.

User response: Update the SPACEMGTECHNIQUE value for this copy group and restart the export. Alternatively, use the export data with the unknown value, and check and update the SPACEMGTECHNIQUE value after import processing has been performed.

ANR0581E Export command: Invalid value for MIGREQUIRESBKUP parameter detected while exporting management class management class name in domain domain name, set policy set name - default or existing value is used during import.

Explanation: During processing of command export command, an invalid value is encountered for the MIGREQUIRESBKUP parameter for management class management class name in domain domain name, policy set policy set name.

System action: Export processing continues, but the
exported data contains an unknown value for this management class. If this data is imported, the default or existing MIGREQUIRESBKUP value is used.

User response: Update the MIGREQUIRESBKUP value for this copy group and restart the export. Alternatively, use the export data with the unknown value, and check and update the MIGREQUIRESBKUP value after import processing has been performed.

ANR0582E Import command: Invalid value for SPACEMGTECHNIQUE parameter in exported data for management class management class name in domain domain name, set policy set name.

Explanation: During preview processing of command import command, an invalid value is encountered for the SPACEMGTECHNIQUE parameter for management class management class name, in policy domain domain name, policy set policy set name.

System action: Processing of the command continues. If a later command is issued that causes the data to be imported, the default or existing SPACEMGTECHNIQUE value is used.

User response: None. If the data is imported with a later command, verify that the correct SPACEMGTECHNIQUE value is used for this management class.

ANR0583E Import command: Invalid value for SPACEMGTECHNIQUE parameter in exported data - management class management class name in domain domain name, set policy set name defined with default SPACEMGTECHNIQUE value.

Explanation: During processing of command import command, an invalid value is encountered for the SPACEMGTECHNIQUE parameter for management class management class name, in policy domain domain name, policy set policy set name.

System action: Processing of the command continues, by using the default SPACEMGTECHNIQUE value for this management class.

User response: Verify that the correct SPACEMGTECHNIQUE value has been used for this management class. Update this value, if necessary.

ANR0584E Import command: Invalid value for SPACEMGTECHNIQUE parameter in exported data - SPACEMGTECHNIQUE value for management class management class name in domain domain name, set policy set name was not updated.

Explanation: During processing of command import command, an invalid value is encountered for the SPACEMGTECHNIQUE parameter for management class management class name, in policy domain domain name, policy set policy set name was not updated.

System action: Processing of the command continues, by using the existing SPACEMGTECHNIQUE value for this management class.

User response: Verify that the correct SPACEMGTECHNIQUE value has been used for this management class. Update this value, if necessary.

ANR0585E Import command: Invalid value for MIGREQUIRESBKUP parameter in exported data for management class management class name in domain domain name, set policy set name.

Explanation: During preview processing of command import command, an invalid value is encountered for the MIGREQUIRESBKUP parameter for management class management class name, in policy domain domain name, policy set policy set name.

System action: Processing of the command continues. If a later command causes the data to be imported, the default or existing MIGREQUIRESBKUP value is used.

User response: None. If the data is imported with a later command, verify that the correct MIGREQUIRESBKUP value is used for this management class.

ANR0586E Import command: Invalid value for MIGREQUIRESBKUP parameter in exported data - management class management class name in domain domain name, set policy set name defined with default MIGREQUIRESBKUP value.

Explanation: During processing of command import command, an invalid value is encountered for the MIGREQUIRESBKUP parameter for management class management class name, in policy domain domain name, policy set policy set name.

System action: Processing of the command continues, by using the default MIGREQUIRESBKUP value for this management class.

User response: Verify that the correct MIGREQUIRESBKUP value has been used for this management class. Update this value, if necessary.

ANR0587E Import command: Invalid value for MIGREQUIRESBKUP parameter in exported data - MIGREQUIRESBKUP value for management class management class name in domain domain name, set policy set name was not updated.

Explanation: During processing of command import command, an invalid value is encountered for the MIGREQUIRESBKUP parameter.
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System action: Processing of the command continues, by using the existing MIGREQUIRESBKUP value for this management class.

User response: Verify that the correct MIGREQUIRESBKUP parameter has been used for this management class. Update this value, if necessary.

ANR0588E Import command: Server is down-level compared to export data version version number.

Explanation: An attempt is made to import data to a down-level server. The server on which the import is performed must be at the same or later level than the server from which the data was exported.

System action: The import process ends and server operation continues.

User response: Import to a server that is at the same or later level than the server from which the export was performed.

ANR0589E Import command: Preview processing terminated abnormally - server is down-level.

Explanation: Processing for the command import command in preview mode ends when it is determined that the server is down-level compared to the export data.

System action: Import processing ends and server operation continues.

User response: Import to a server that is at the same or later level than the server from which the export was performed.

ANR0590E Import command: Processing terminated abnormally - server is down-level.

Explanation: Processing for the command import command ends when it is determined that the server is down-level compared to the export data.

System action: Import processing ends and server operation continues.

User response: Import to a server that is at the same or later level than the server from which the export was performed.

ANR0591E Export/import command: Invalid value for FILELIST parameter - parameter value.

Explanation: The value (parameter value) specified for the FILELIST parameter in command export/import command is not a valid value for this parameter.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid FILELIST parameter. For information on valid values for the FILELIST parameter for the command, refer to the Administrator’s Reference for your particular platform.

ANR0592E Export/import command: Invalid value for table of contents parameter - parameter value.

Explanation: The value (parameter value) specified for the table of contents (TOC) parameter in command export/import command is not a valid value for this parameter.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid TOC parameter. For information on valid values for the TOC parameter for the command, refer to the Administrator’s Reference for your particular platform.

ANR0593E Export/import command: Invalid value for NOSPAN parameter - parameter value.

Explanation: The value (parameter value) specified for the NOSPAN parameter in command export/import command is not a valid value for this parameter.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid NOSPAN parameter. For information on valid values for the NOSPAN parameter for the command, refer to the Administrator’s Reference for your particular platform.

ANR0594E device class: NOSPAN parameter can only be used with a 3590 device class.

Explanation: The device class specified must be a 3590 device class when NOSPAN is set to True.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid NOSPAN/Device Class parameter. For information on valid values for the NOSPAN parameter for the command, refer to the Administrator’s Reference for your particular platform.

ANR0595W The server deleted object count objects that were part of incomplete groups.

Explanation: After importing data that was exported from another server, the server deletes any objects that are part of incomplete groups. Incomplete groups may be a result of importing from media written by an export operation that failed. Incomplete groups may also be a result of a failed import operation.

System action: Server operation continues.
User response: Ensure that the export and import operations run to completion. If any errors are observed, correct them and run again the export or import or both, as needed.

### ANR0596W

**Space-managed object object name for client node node name, filespace filespace name** already exists on the server - it will be skipped.

**Explanation:** While attempting to import a space-managed object, the server discovers that the object already exists. The space-managed object is skipped.

**System action:** Server operation continues.

**User response:** None.

### ANR0597W

**IMPORT: Space management attributes in management class management class name for domain domain name is not defined - default management class will be used.**

**Explanation:** During import processing, the server finds that the space management attributes for a space-managed file being imported does not exist in the active policy set for the domain to which the node is assigned.

**System action:** The default management class for the node's policy domain is bound to the space-managed file and import processing continues.

**User response:** If you want to define the missing management class, an authorized administrator may cancel the import operation, define the missing space management attributes or management class for the domain, and process the import operation again.

### ANR0598W

**IMPORT: Space management attributes not found for default management class in domain domain name - space managed files bound to management class management class name in this domain cannot be imported.**

**Explanation:** During import processing, the server finds that a management class bound to a space-managed file being imported does not exist in the active policy set for the domain to which the node is assigned. When trying to rebind the space-managed file to the default management class for the domain, the server finds that the space-managed attributes are not defined for the default management class.

**System action:** The file is not imported; import processing continues.

**User response:** If you want to define the missing copy group, an authorized administrator may cancel the import operation, define the missing space management attributes or management class for the domain, and process the import operation again.

### ANR0599E

**Export/import command: Invalid volume name volume name specified for device class device class name.**

**Explanation:** One of the volume names specified in the VOLUMENAMES parameter for an import or export command is not a valid volume name for the device class specified in the DEVCLASS parameter.

**System action:** The export or import command fails.

**User response:** Specify volume names in the VOLUMENAMES parameter that are valid for the device class specified in the DEVCLASS parameter.

### ANR0600I

**Export command: No matching policy domains found for exporting.**

**Explanation:** The background export process does not find any policy domains that match the specification entered in the export command.

**System action:** The export process continues and no policy domains are exported from the server.

**User response:** None.

### ANR0601I

**Export command: No policy sets found in policy domain domain name for exporting.**

**Explanation:** The background export process does not find any policy sets defined in domains matching domain name.

**System action:** The export process continues and no policy sets are exported from the domain.

**User response:** None.

### ANR0602I

**Export command: No management classes were found in policy domain domain name for exporting.**

**Explanation:** The background export process does not find any management classes defined in policy domains matching domain name.

**System action:** The export process continues and no management classes are exported from the domain.

**User response:** None.

### ANR0603I

**Export command: No copy groups were found in policy domain domain name for exporting.**

**Explanation:** The background export process does not find any copy groups defined in policy domains matching domain name.

**System action:** The export process continues and no copy groups are exported from the domain.

**User response:** None.
ANR0604I  Export command: No schedules were found in policy domain domain name for exporting.

Explanation: The background export process does not find any schedules defined for policy domains matching domain name.

System action: The export process continues and no schedules are exported for the domain.

User response: None.

ANR0605I  Export command: No schedule associations were found in policy domain domain name for exporting.

Explanation: The background export process does not find any schedule node associations defined for policy domains matching domain name.

System action: The export process continues and no schedule associations are exported for the domain.

User response: None.

ANR0606I  Export command: No node definitions were found for exporting.

Explanation: The background export process does not find any node definitions to export as specified in the command export command.

System action: The export process continues.

User response: None.

ANR0607I  Export command: No administrator definitions were found for exporting.

Explanation: The background export process does not find any administrator definitions to export as specified in the command export command.

System action: The export process continues.

User response: None.

ANR0608I  Export command: No file spaces were found for exporting.

Explanation: The background export process does not find any file space definitions to export as specified in the command export command.

System action: The export process continues.

User response: None.

ANR0609I  Command started as process process ID.

Explanation: A background process has been started to service the command command. The background process is defined as process process ID.

System action: Server operation continues.

User response: To query the progress of the background process, use the QUERY PROCESS command. To cancel the background process, use the CANCEL PROCESS command. Use the process ID number to specify this specific process.

ANR0610I  Command started by administrator name as process process ID.

Explanation: A background process has started to service the command command entered by administrator administrator name. The background process is defined as process process ID.

System action: Server operation continues.

User response: To query the progress of the background process, use the QUERY PROCESS command. To cancel the background process, use the CANCEL PROCESS command. Use the process ID number to specify this specific process.

ANR0611I  Command started by administrator name as process process ID has ended.

Explanation: The background process to service the command command by administrator administrator name has completed processing.

System action: The specified process ends, and server operation continues.

User response: None.

ANR0612I  Import command: Reading EXPORT SERVER data from server server name exported export date export time.

Explanation: The background import process to service the command import command is importing information exported from server server name with the EXPORT SERVER command on export date at export time.

System action: Import processing continues.

User response: None.

ANR0613I  Import command: Reading EXPORT POLICY data from server server name exported export date export time.

Explanation: The background import process to service the command import command is importing information exported from server server name with the
ANR0614I  Import command: Preview processing canceled before completion.

Explanation: The background import process to service the command *import command* is importing information exported from server *server name* with the *import command* on *export date at export time*.

System action: Import processing continues.

User response: None.

ANR0615I  Export/import command: Preview processing canceled before completion.

Explanation: The background export or import process to service the command *export/import command* in preview (Preview=Yes) mode has been canceled with the CANCEL PROCESS command.

System action: Export or import processing for the command ends. Statistics on the projected number and type of objects moved, together with the projected total number of bytes copied, are displayed on the server console following this message.

User response: None.

ANR0616I  Export/import command: Preview processing completed successfully.

Explanation: The background export or import process to service the command *export/import command* in preview (Preview=Yes) mode has completed successfully.

System action: Export or import processing for the command completes. Statistics on the projected number and type of objects moved, together with the total number of bytes copied, are displayed on the server console following this message.

User response: None.

ANR0617I  Export/import command: Processing completed with status status.

Explanation: The background export or import process to service the command *export/import command* has completed with status *status*. If the status is INCOMPLETE, some files have been skipped due to errors reading or writing the file.

System action: Export or import processing for the command completes. Statistics on the number and type of objects moved, together with the total number of bytes copied, are displayed on the server console following this message. A summary of the number of files that were skipped is also displayed.

User response: None.
ANR0622I Export/import command: Copied number management classes.

Explanation: The background export or import process to service the command export/import command copies number management class definitions from either the server database to export media or from export media into the server database. Data is not moved if Preview=Yes is specified in the command export/import command.

System action: Export or import processing for the command completes. Server operation continues.

User response: None.

ANR0623I Export/import command: Copied number copy groups.

Explanation: The background export or import process to service the command export/import command copies number copy group definitions from either the server database to export media or from export media into the server database. Data is not moved if Preview=Yes is specified in the command export/import command.

System action: Export or import processing for the command completes. Server operation continues.

User response: None.

ANR0624I Export/import command: Copied number schedules.

Explanation: The background export or import process to service the command export/import command copies number schedule definitions from either the server database to export media or from export media into the server database. Data is not moved if Preview=Yes is specified in the command export/import command.

System action: Export or import processing for the command completes. Server operation continues.

User response: None.

ANR0625I Export/import command: Copied number administrators.

Explanation: The background export or import process to service the command export/import command copies number administrator definitions from either the server database to export media or from export media into the server database. Data is not moved if Preview=Yes is specified in the command export/import command.

System action: Export or import processing for the command completes. Server operation continues.

User response: None.

ANR0626I Export/import command: Copied number node definitions.

Explanation: The background export or import process to service the command export/import command copies number client node definitions from the server database to export media or from export media into the server database. Data is not moved if Preview=Yes is specified in the command export/import command.

System action: Export or import processing for the command completes. Server operation continues.

User response: None.

ANR0627I Export/import command: Copied file spaces and data.

Explanation: The background export or import process to service the command export/import command copies file spaces number file space definitions, backup number backup files, and spacemg number space-managed files.

System action: Export or import processing for the command completes. Server operation continues.

User response: None.

ANR0628I Export/import command: Copied bytes of data.

Explanation: The background export or import process to service the command export/import command copies number bytes of data to the export media or from export media into the server database. Data is not moved if Preview=Yes is specified in the command export/import command. This figure can be used during export preview processing to determine the number of removable media volumes needed to hold the exported information from the server.

System action: Export or import processing for the command completes. Server operation continues.

User response: None.
volumes needed to hold the exported information from the server.

System action: Export or import processing for the command completes. Server operation continues.
User response: None.

**ANR0631I** Export/import command: Copied number megabytes of data.

Explanation: The background export or import process to service the command export/import command copies number megabytes of data from the server database and data storage to the export media or from the export media to the server database and data storage. This figure can be used during export preview processing to estimate the number of removable media volumes needed to hold the exported information from the server.

System action: Export or import processing for the command completes. Server operation continues.
User response: None.

**ANR0632I** Export/import command: Copied number gigabytes of data.

Explanation: The background export or import process to service the command export/import command copies number gigabytes of data from the server database and data storage to the export media or from the export media to the server database and data storage. This figure can be used during export preview processing to estimate the number of removable media volumes needed to hold the exported information from the server.

System action: Export or import processing for the command completes. Server operation continues.
User response: None.

**ANR0633I** Export/import command: Copied number terabytes of data.

Explanation: The background export or import process to service the command export/import command copies number terabytes of data from the server database and data storage to the export media or from the export media to the server database and data storage. This figure can be used during export preview processing to estimate the number of removable media volumes needed to hold the exported information from the server.

System action: Export or import processing for the command completes. Server operation continues.
User response: None.

**ANR0634I** Export/import command: Detected number errors.

Explanation: The background export or import process to service the command export/import command detects number errors while copying information from the server database and data storage to the export media or from the export media to the server database and data storage.

System action: Export or import processing for the command completes. Server operation continues.
User response: Examine the server messages issued prior to this message to view the error. Use the QUERY ACTLOG command to view the activity log and search for messages.

**ANR0635I** Export/import command: Processing node node name in domain domain name.

Explanation: The background export or import process to service the command export/import command is currently processing the client node definition information for node node name. The node will be imported to domain domain name.

System action: Export or import processing for the command continues.
User response: None.

**ANR0636I** Import command: Processing file space filespace name for node node name as file space new filespace name.

Explanation: The background import process to service the command import command is currently processing the client file space definition information for file space filespace name belonging to client node node name. The file space is imported under the name new filespace name. During import processing, file spaces defined for clients are not replaced, and file copy information in the file spaces are imported to new file space names so that client file copies are not mixed with existing definitions. Import processing can then create file spaces with names generated by the import processor for client nodes that existed prior to the import operation.

System action: Import processing for the command continues.
User response: None; however, clients may want to examine the contents of the file space with the name new filespace name so that they know where certain file copies are kept.

**ANR0637I** Export/import command: Processing file space filespace name for node node name fsId filespace id .

Explanation: The background export or import process to service the command export/import command
is currently processing client node file space
information for file space *filespace name* belonging to
client node *node name*.

**System action:** Export or import processing for the
command continues.

**User response:** None.

---

**ANR0638I**  
**Export/import command:** *Processing administrator administrator name*.

**Explanation:** The background export or import
process to service the command *export/import command*
is currently processing the administrator definition
information for administrator *administrator name*.

**System action:** Export or import processing for the
command continues.

**User response:** None.

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**ANR0639I**  
**Export/import command:** *Processing domain domain name*.

**Explanation:** The background export or import
process to service the command *export/import command*
is currently processing the policy domain definition
information for domain *domain name*.

**System action:** Export or import processing for the
command continues.

**User response:** None.

---

**ANR0640I**  
**Export/import command:** *Processing policy set set name in policy domain domain name*.

**Explanation:** The background export or import
process to service the command *export/import command*
is currently processing the policy set definition
information for policy set *set name* belonging to policy
domain *domain name*.

**System action:** Export or import processing for the
command continues.

**User response:** None.

---

**ANR0641I**  
**Export/import command:** *Processing management class class name in domain domain name, set set name*.

**Explanation:** The background export or import
process to service the command *export/import command*
is currently processing the management class definition
information for management class *class name* belonging to
policy set *set name* in policy domain *domain name*.

**System action:** Export or import processing for the
command continues.

**User response:** None.

---

**ANR0642I**  
**Export/import command:** *Processing backup copy group in domain domain name, set set name, management class class name*.

**Explanation:** The background export or import
process to service the command *export/import command*
is currently processing the backup copy group
definition information for management class *class name*
belonging to policy set *set name* in policy domain
*domain name*.

**System action:** Export or import processing for the
command continues.

**User response:** None.

---

**ANR0643I**  
**Export/import command:** *Processing archive copy group in domain domain name, set set name, management class class name*.

**Explanation:** The background export process to
service the command *export/import command* is currently
processing the archive copy group definition
information for management class *class name* belonging to
policy set *set name* in policy domain *domain name*.

**System action:** Export processing for the command
continues.

**User response:** None.

---

**ANR0644I**  
**Export command:** *Processing copy group of unknown type in domain domain name, set set name, management class class name*.

**Explanation:** The background export or import
process to service the command *export command* is currently
processing copy group definition information for management class *class name* belonging to policy set
*set name* in policy domain *domain name*. The type of
copy group being processed is unknown.

**System action:** Export or import processing for the
command continues. The import or export process
assumes that the copy group is a backup copy group.

**User response:** After policy definitions are imported,
use the QUERY MGMTCLASS and QUERY COPYGROUP commands to query the server
definitions for management class *class name* to ensure
that the copy groups defined have the desired
attributes and types. Alternatively, the copy group can
be deleted and defined with the correct type, and then
the export command can be issued again.

---

**ANR0645I**  
**Export/import command:** *Processing schedule schedule name in domain domain name*.

**Explanation:** The background export or import
process to service the command *export/import command*
is currently processing schedule definition
information for schedule *schedule name* in policy domain
*domain name*.

**System action:** Export or import processing for the
command continues.

**User response:** None.
is currently processing the schedule definition information for schedule schedule name belonging to policy domain domain name.

**System action:** Export or import processing for the command continues.

**User response:** None.

---

**ANR0646I** Export/import command: message

**Explanation:** The background export or import process to service the command export/import command has received the message message from the server.

**System action:** Export or import processing for the command continues, but errors may have been encountered.

**User response:** Examine the documentation for the message message and resolve the problem reported.

---

**ANR0647I** Cancel in progress

**Explanation:** The export or import operation has been canceled and will end when resources have been freed for the background process. This message may be displayed in response to a QUERY PROCESS command for an export or import operation.

**System action:** Server operation continues.

**User response:** None.

---

**ANR0648I** Have copied the following:

**Explanation:** The export or import operation has copied the number and types of objects displayed. This message may be displayed in response to a QUERY PROCESS command for an export or import operation.

**System action:** Server operation continues.

**User response:** None.

---

**ANR0649I** Import command: Domain domain name does not exist - the system will attempt to import node node name to domain STANDARD.

**Explanation:** The background import process to service the command import command is currently processing client node node name. This node was assigned to domain domain name at the time of export. However, domain domain name does not exist on the server to which the import is being performed.

**System action:** Import processing continues, but node node name will be assigned to domain STANDARD during import unless one of the following conditions exist:

- Preview=Yes
- Node node name is already registered and Replacedefs=No

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**ANR0650W** IMPORT: Archive copygroup copy group name in management class management class name for domain domain name is not defined, default management class will be used.

**Explanation:** During import processing, the server finds that a management class or copy group bound to a backup file being imported does not exist in the active policy set for the domain to which the node is assigned.

**System action:** The default management class for the node’s policy domain is bound to the backup file and import processing continues.

**User response:** If you want to define the missing management class, an authorized administrator may cancel the import operation, define the missing management class or copy group for the domain, and process the import operation again.

---

**ANR0651W** IMPORT: Backup copygroup copy group name in management class management class name for domain domain name is not defined, default management class will be used.

**Explanation:** During import processing, the server finds that a management class or copy group bound to a backup file being imported does not exist in the active policy set for the domain to which the node is assigned.

**System action:** The default management class for the node’s policy domain is bound to the archive file and import processing continues.

**User response:** If you want to define the missing management class, an authorized administrator may cancel the import operation, define the missing management class or copy group for the domain, and process the import operation again.

---

**ANR0652W** IMPORT: Archive copygroup not found for default management class in domain domain name - archive files bound to management class management class name in this domain cannot be imported.

**Explanation:** During import processing, the server finds that a management class or copy group bound to an archive file being imported does not exist in the active policy set for the domain to which the node is
assigned. When trying to rebind the archive file to the default management class for the domain, the server finds that an archive copy group is not defined for the default management class.

**System action:** The file is not imported; import processing continues.

**User response:** If you want to define the missing copy group, an authorized administrator may cancel the import operation, define the missing management class or copy group for the domain, and process the import operation again.

---

**ANR0653W**  
**Explanation:** During import processing, the server finds that a management class or copy group bound to a backup file being imported does not exist in the active policy set for the domain to which the node is assigned. When trying to rebind the backup file to the default management class for the domain, the server finds that a backup copy group is not defined for the default management class.

**System action:** The file is not imported; import processing continues.

**User response:** If you want to define the missing copy group, an authorized administrator may cancel the import operation, define the missing management class or copy group for the domain, and process the import operation again.

---

**ANR0654I**  
**Explanation:** A background process was started to service the command `command`. The background process is defined as process `process ID`.

**System action:** Server operation continues.

**User response:** To query the progress of the background server-to-server export process, issue the QUERY PROCESS or QUERY EXPORT command. To suspend the process, issue the SUSPEND EXPORT command. To cancel the background process, issue the CANCEL PROCESS command. Use the `process ID` number to specify this specific process.

---

**ANR0655W**  
**Explanation:** The server ends a file retrieval operation for the specified command because the file has been deleted from data storage by another process before retrieval is complete.

**System action:** Processing of the command continues.
User response: After the administrative definition has been imported to another server, an authorized administrator should use the UPDATE ADMIN command to set a password for the administrator administrator name.

Export command: The password for node node name could not be obtained. The value 'password value' will be assumed. The system administrator may wish to change this password after importing node node name.

Explanation: During processing of command export command, the export processor cannot obtain the password for client node node name. The value password value is assigned as the password for the client node on the export media.

System action: Processing of the command continues.

User response: After the client node definition has been imported to another server, an authorized administrator should use the UPDATE NODE command to set a password for the node node name.

ANR0660E Command: Insufficient memory available in accessing data storage.

Explanation: The server encounters a memory shortage in accessing data storage during command command operation.

System action: The command command operation ends and server operation continues.

User response: See the documentation for the operating system about how to increase memory for an application.

ANR0661E Command: Internal error encountered in accessing data storage.

Explanation: The server encounters an internal error in accessing data storage while processing command command operation.

System action: The command command operation is ended and server operation continues.

User response: Use the QUERY ACTLOG command to examine messages prior to this error to determine the cause of the data storage failure. If the failure can be found and resolved, reissue the command command operation. If the failure cannot be found, contact your service representative for assistance in resolving the problem.

ANR0662E Command: Output error encountered in accessing data storage.

Explanation: The command command operation ends because an error has been encountered by the server in writing to a device. Possible reasons include:
- I/O error writing to a device
- No storage space.
- Incompatible storage pool data format.

System action: The command command operation ends and server operation continues.

User response: Query the activity log to find messages preceding this one to determine the cause of the error. After the problem is corrected, the command can be retried.

ANR0663E Command: Data transfer was interrupted in accessing data storage.

Explanation: The database transaction associated with command command operation failed because data transfer to or from data storage was interrupted by an external event.

System action: The command command operation is ended and server operation continues.

User response: Examine the messages issued prior to this message to determine why the data transfer was interrupted. Reissue the command command after the problem is resolved.

ANR0664E Export/import command: Media not accessible in accessing data storage.

Explanation: The server ends a transaction for an export or import operation because storage volumes are not available in the storage pools in which the client files are to be stored.

System action: The server ends the export or import operation and server operation continues.

User response: An authorized administrator can issue the DEFINE VOLUME command to add storage to one or more storage pools in the storage hierarchy. The VARY ONLINE command can be used to vary offline storage volumes online in the storage hierarchy to make them available for file storage.

ANR0665W Import command: Transaction failed - storage pool pool name is not defined.

Explanation: The server rolls back a database update transaction for an import operation because the destination specified for a management class copy group specifies the named storage pool, but that storage pool does not exist.

System action: The import operation is ended and server operation continues.

User response: An administrator with policy authority over the client policy domain must correct management class definitions so that copy group destinations refer to defined storage pools, or the specified storage pool must be created by an authorized administrator.
ANR0666W Import command: Transaction failed - object excluded by size in storage pool pool name and all successor pools.

Explanation: The server ends a database update transaction for an import operation because the size of an imported file is larger than that allowed in the storage pool specified in the bound management class copy group for the file. No successor storage pools to the one specified on the copy group can accept the large file.

System action: The import operation is ended and server operation continues.

User response: The maximum file size for one or more of the storage pools in the storage hierarchy can be increased to accommodate the file. An authorized administrator can increase the MAXSIZE parameter by issuing the UPDATE STGPOOL command. Alternatively, the appropriate copygroup definition can be updated so that a different destination storage pool is specified.

ANR0667W Import command: Transaction failed - no space available in storage pool pool name and all successor pools.

Explanation: The server ends an import operation because the storage pool specified in a management class copy group does not contain enough free space to hold the files being imported. Successor storage pools to the one specified on the copy group do not contain enough free space.

System action: The import operation is ended and server operation continues.

User response: An authorized administrator can issue the DEFINE VOLUME command to add storage to one or more storage pools in the storage hierarchy.

ANR0668W Export/import command: Transaction failed - error on output storage device.

Explanation: The server ends an export or import operation for the specified session because an I/O error has been encountered by the server in writing to a device.

System action: The server ends the export or import operation and server operation continues.

User response: Query the activity log to find messages preceding this one that specify the device that is failing. Storage pool volumes can be varied offline (by using the VARY OFFLINE command), or the server may need to be shut down by using the HALT command to correct the hardware problem. After the problem is corrected, the client may be able to try the operation again.

ANR0669W Export/import command: Transaction failed - data transfer interrupted.

Explanation: The database transaction associated with an export or import operation failed because data transfer to or from data storage was interrupted by an external event.

System action: The export or import operation is ended and server operation continues.

User response: Examine the messages issued prior to this message to determine why the data transfer was interrupted. Attempt the export/import operation again after problem is resolved.

ANR0670W Export/import command: Transaction failed - storage media inaccessible.

Explanation: The server ends a transaction for an export or import operation because storage volumes are not available in the storage pools in which the client files are to be stored.

System action: The server ends the export or import operation and server operation continues.

User response: An authorized administrator can issue the DEFINE VOLUME command to add storage to one or more storage pools in the storage hierarchy. The VARY ONLINE command can be used to vary offline storage volumes online in the storage hierarchy to make them available for file storage.

ANR0671W Export/import command: Transaction failed - sufficient recovery log space is not available.

Explanation: The server ends a database update transaction for an export or import operation because sufficient log space is not available on the server.

System action: The server ends the export or import operation and server operation continues.

User response: An authorized administrator can issue the DEFINE LOGVOLUME command to add volumes for use by the log, and the EXTEND LOG command to extend the size of the log so that the new volumes are used.

ANR0672W Export/import command: Transaction failed - sufficient database space is not available.

Explanation: The server ends a database update transaction for an export or import operation because sufficient database space is not available on the server.

System action: The server ends the export or import operation and server operation continues.

User response: An authorized administrator can issue the DEFINE DBVOLUME command to add volumes
for use by the database, and the EXTEND DB command to extend the size of the log so that the new volumes are used.

**ANR0673W**  
Export/import command: Data storage retrieve or restore failed - error detected.

**Explanation:** The server ends an export or import operation because an error has been encountered on the server. Some common reasons for the error are:
- The input volume is unavailable
- The storage pool is unavailable
- Data is corrupted on the input volume
- Hardware or media failure has occurred
- Database corruption

**System action:** The server ends the export or import operation and continues operation.

**User response:** Examine any prior error messages to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages if needed. Correct the problem and try the restore or retrieve again. You can also refer to the *Problem Determination Guide* for problem determination hints and information. If retry of the operation continues to fail contact your service representative.

**ANR0674W**  
Export command: Retrieve failed - error on input storage device.

**Explanation:** The server ends an export operation for the specified session because an I/O error has been encountered by the server in reading from a device. The object for which the I/O was issued is reported in a later message.

**System action:** Export processing skips this file, and continues operation.

**User response:** Query the activity log to find messages preceding this one that specify the device that is failing. Storage pool volumes can be varied offline (by using the VARY OFFLINE command), or the server may need to be shut down with the HALT command to correct the hardware problem.

**ANR0675E**  
EXPORT/IMPORT: Error starting the Export/Import Session.

**Explanation:** The server export/import process is not able to start the session to export information from the server or import information into the server.

**System action:** The export or import process ends and server operation continues.

**User response:** See the documentation for the operating system about how to increase memory for an application.

**ANR0676E**  
EXPORT/IMPORT: Invalid Communications Buffer State in SEND.

**Explanation:** The server export/import process encounters a communications error in transferring information to or from the server.

**System action:** The export or import process ends and server operation continues.

**User response:** Contact your service representative.

**ANR0677E**  
EXPORT/IMPORT: Invalid Communications Buffer State in RECEIVE.

**Explanation:** The server export/import process encounters a communications error in transferring information to or from the server.

**System action:** The export or import process ends and server operation continues.

**User response:** Contact your service representative.

**ANR0678E**  
EXPORT/IMPORT: Communications Failure in Sending "verb type" verb.

**Explanation:** The server export/import process encounters a communications error in using the *verb type* verb to transfer information to or from the server.

**System action:** The export or import process ends and server operation continues.

**User response:** Contact your service representative.

**ANR0679E**  
EXPORT/IMPORT: Communications Failure in Receiving "verb type" verb.

**Explanation:** The server export/import process encounters a communications error in using the *verb type* verb to transfer information to or from the server.

**System action:** The export or import process ends and server operation continues.

**User response:** Contact your service representative.

**ANR0681E**  
EXPORT/IMPORT: Authentication Failure.

**Explanation:** The server export/import process encounters an authentication error in transferring information to or from the server.

**System action:** The export or import process ends and server operation continues.

**User response:** Contact your service representative.
ANR0682E  EXPORT/IMPORT: Communications
Failure in Sending "verb type" verb (command).

Explanation: The server export/import process encounters a communications error in using the verb type verb to issue command command.

System action: The export or import process ends and server operation continues.

User response: Contact your service representative.

ANR0683E  EXPORT/IMPORT: Receive Buffer overflow.

Explanation: The server export/import process encounters an overflow error in transferring information to or from the server.

System action: The export or import process ends and server operation continues.

User response: Contact your service representative.

ANR0684E  EXPORT/IMPORT: Communications failure: bad verb received (verb type).

Explanation: The server encounters an invalid communications verb during export or import processing and is not able to continue processing.

System action: The export or import process ends and server operation continues.

User response: Contact your service representative.

ANR0685E  EXPORT/IMPORT: Internal error:
Invalid table output handle detected.

Explanation: The server export/import process encounters an internal error in transferring information to or from the server.

System action: The export or import process ends and server operation continues.

User response: Contact your service representative.

ANR0686E  Export/import command: Transaction failure - could not start database transaction.

Explanation: During processing of command export/import command, a database transaction cannot be started in the server database.

User response: Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0687E  Export/import command: Transaction failure - could not commit database transaction.

Explanation: During processing of command export/import command, a database transaction cannot be committed to the server database.

System action: Processing of the command ends.

User response: Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0688E  Export/import command: Transaction failure - commit called when no transaction started.

Explanation: During processing of command export/import command, a database transaction cannot be started in the server database.

System action: Processing of the command ends.

User response: Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0689W  Import command: Client platform type (platform type) for imported node node name conflicts with an existing node with the same name - the node will not be imported.

Explanation: During import processing, the server encounters an imported node definition that has the same name as an existing node, but has a different client platform type (for example, OS/2 or AIX). Because file data may not be compatible across different client platforms, the node is not imported.

System action: Import processing continues, and the named node is skipped by import processing.

User response: If you want to import the named node, cancel the import process, rename the existing node to a new name by using the RENAME NODE command, and run the import again. After you have imported the node, use the RENAME NODE command to set the node names as you desire.

ANR0690E  Export/import command: Transaction failure - server aborted the transaction (abort code).

Explanation: During processing of command export/import command, a database transaction cannot be...
committed in the server database. The reason code abort code is returned.

**System action:** Processing of the command ends.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0691E  Export command: Error abort code writing export data.**

**Explanation:** During processing of command export command, an input/output error occurs when writing the exported information to the export media.

**System action:** Processing of the command ends.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0692E  Command: Out of space on sequential media, scratch media could not be mounted.**

**Explanation:** During command command processing, the process encounters an out-of-space condition writing to the sequential media. Command command ends when there is no more space on the sequential media for storing data and SCRATCH=NO has been specified on command command.

**System action:** Command command processing ends. Server processing continues.

**User response:** Reissue the command and specify SCRATCH=YES or specify additional volume names on the command.

**ANR0693E  Import command: Error abort code reading export data.**

**Explanation:** During processing of command import command, an input/output error occurs when reading the exported information from the export media.

**System action:** Processing of the command ends.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0694E  Import command: Invalid record format (format code) detected on import.**

**Explanation:** During processing of command import command, an invalid record type is detected when reading the exported information from the export media.

**System action:** Processing of the command ends.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0695E  Export command: Unexpected error error code encountered in receiving table output data.**

**Explanation:** During processing of command export command, an unexpected error is detected.

**System action:** Processing of the command ends.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0696E  Export command: Output table error encountered - 0 columns reported in the table.**

**Explanation:** During processing of command export command, an unexpected error is detected.

**System action:** Processing of the command ends.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0697E  Export command: Output table error encountered - not positioned to the first column in the table.**

**Explanation:** During processing of command export command, an unexpected error is detected.

**System action:** Processing of the command ends.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.
ANR0698E  Export/import command: Invalid value for FILEDATA parameter - parameter value.

Explanation: The value (parameter value) specified for the FILEDATA parameter in command export/import command is not a valid value for this parameter.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid FILEDATA parameter. For information on valid values for the FILEDATA parameter for the command, refer to the Administrator’s Reference for your particular platform.

ANR0699E  Export/import command: Device class DISK cannot be specified for this command.

Explanation: The DEVCLASS value DISK cannot be specified for the command export/import command.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid device class. Issue the QUERY DEVCLASS command for a list of valid device classes for the server.

ANR0700E  Export/import command: Invalid value for PREVIEW parameter - parameter value.

Explanation: The value (parameter value) specified for the PREVIEW parameter in command export/import command is not a valid value for this parameter.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid PREVIEW parameter. For information on valid parameter values for the command, refer to the Administrator’s Reference for your particular platform.

ANR0701E  Export/import command: Invalid value for SCRATCH parameter - parameter value.

Explanation: The value (parameter value) specified for the SCRATCH parameter in command export/import command is not a valid value for this parameter.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid SCRATCH parameter. For information on valid parameter values for the command, refer to the Administrator’s Reference for your particular platform.

ANR0705E  Export command: The VOLUMENAMES parameter must be specified when SCRATCH=NO is specified.

Explanation: The SCRATCH parameter is specified as NO for the command export command but the VOLUMENAMES parameter is not specified. When scratch volumes are not allowed, the VOLUMENAMES parameter must be specified to indicate the volumes that can be used for the command.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid VOLUMENAMES parameter. For information on valid parameter values for the command, refer to the Administrator’s Reference for your particular platform.

ANR0706E  Export command: A device class must be specified unless PREVIEW=YES is specified.

Explanation: The DEVCLASS parameter is not specified in the command export command. Unless PREVIEW=YES is specified, a DEVCLASS value must be specified.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid device class. Issue the QUERY DEVCLASS command for a list of valid device classes for the server.

ANR0707E  Export command: The FILESPACE parameter cannot be specified.

Explanation: The FILESPACE parameter is specified for the command export command, but the FILEDATA parameter is specified as NONE, or is not specified and defaults to NONE. File spaces are only copied if the FILEDATA parameter is specified with a value other than NONE.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid device class. Issue the QUERY DEVCLASS command for a list of valid device classes for the server.

ANR0708E  Import command: The FILESPACE parameter cannot be specified unless the FILEDATA parameter specifies that files should be imported.

Explanation: The FILESPACE parameter is specified for the command import command, but the FILEDATA parameter is specified as NONE, or is not specified and defaults to NONE. File spaces are only copied if the
FILEDATA parameter is specified with a value other than NONE.

**System action:** The command fails and server operation continues.

**User response:** Reissue the command and specify a valid FILEDATA parameter. For information on valid parameter values for the command, refer to the Administrator’s Reference for your particular platform.

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**ANR0709E**  
**Command:** No matching nodes registered in the specified domains.

**Explanation:** The DOMAIN parameter has been specified for this command, but no nodes matching the node name specification are found in the domains specified.

**System action:** The command fails and server operation continues.

**User response:** Reissue the command and specify a valid combination of node and domain names. Use the QUERY NODE command to view the names of nodes in the domains that you are interested in exporting.

---

**ANR0710E**  
**Command:** Unable to start background process.

**Explanation:** The server command processor is not able to start a background process to perform the command.

**System action:** The command process ends and server operation continues.

**User response:** See the documentation for the operating system about how to increase memory for an application.

---

**ANR0711E**  
**Import command:** Unable to start import process.

**Explanation:** The server import command processor is not able to start a background process to perform the import operation.

**System action:** The export or import process ends and server operation continues.

**User response:** See the documentation for the operating system about how to increase memory for an application.

---

**ANR0712E**  
**Import command:** Invalid value for DATES parameter - parameter value.

**Explanation:** The value (parameter value) specified for the DATES parameter in command import command is not a valid value for this parameter.

**System action:** The command fails and server operation continues.

---

**ANR0713E**  
**Import command:** Invalid value for REPLACEDEFS parameter - parameter value.

**Explanation:** The value (parameter value) specified for the REPLACEDEFS parameter in command import command is not a valid value for this parameter.

**System action:** The command fails and server operation continues.

**User response:** Reissue the command and specify a valid REPLACEDEFS parameter. For information on valid values for the REPLACEDEFS parameter for the command, refer to the Administrator’s Reference for your particular platform.

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**ANR0714E**  
**Import command:** The EXTFILE device class cannot be specified when the VOLUMENAMES parameter is specified.

**Explanation:** An invalid combination of parameters has been entered for command import command. The EXTFILE device class cannot be used in combination with the VOLUMENAMES parameter.

**System action:** The command fails and server operation continues.

**User response:** Reissue the command with the correct syntax.

---

**ANR0715E**  
**Import command:** A device class must be specified.

**Explanation:** The command import command has been specified, but does not include specification of the DEVCLASS parameter. The DEVCLASS parameter must be specified for this command.

**System action:** The command fails and server operation continues.

**User response:** Reissue the command and specify a valid device class. For a list of valid device classes for the server, issue the QUERY DEVCLASS command.

---

**ANR0716E**  
**Import command:** Invalid export data detected.

**Explanation:** The command import command encounters invalid data on the export media while trying to import server information.

**System action:** The command fails and server operation continues.
**ANR0717E • ANR0723E**

**User response:** Ensure that the mounted export tapes are in the correct order (mounted in the same order as they were mounted during export). Reissue the command, and mount the tapes in the correct order. If the VOLUMENAMES parameter has been specified, make sure that the volume names in the command are specified in the correct order.

---

**ANR0717E**  
Export/import command: Preview processing terminated abnormally - communications send or receive failed.

**Explanation:** Processing for the command `export/import command` in preview mode has been terminated when an internal communications error is encountered in the server.

**System action:** Export/import processing is ended and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

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**ANR0718E**  
Export/import command: Processing terminated abnormally - communications send or receive failed.

**Explanation:** Processing for the command `export/import command` ends when an internal communications error is encountered in the server.

**System action:** Export/import processing is ended and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

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**ANR0719E**  
Export/import command: Preview processing terminated abnormally - insufficient memory.

**Explanation:** Processing for the command `export/import command` in preview mode is ended because sufficient memory is not available on the server.

**System action:** Export/import processing is ended and server operation continues.

**User response:** See the documentation for the operating system about how to increase memory for an application.

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**ANR0720E**  
Command: Processing terminated abnormally - insufficient memory.

**Explanation:** Processing for the command ends because sufficient memory is not available on the server.

**System action:** Command processing is ended and server operation continues.

**User response:** See the documentation for the operating system about how to increase memory for an application.

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**ANR0721E**  
Export/import command: Preview processing terminated abnormally - unexpected verb received from server.

**Explanation:** Processing for the command `export/import command` in preview mode ends when an internal communications error is encountered in the server.

**System action:** Export/import processing ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

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**ANR0722E**  
Command: Processing terminated abnormally - unexpected verb received from server.

**Explanation:** Processing for the command `export/import command` ends when an internal communications error is encountered in the server.

**System action:** Export/import processing ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

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**ANR0723E**  
Export/import command: Preview processing terminated abnormally - transaction failure.

**Explanation:** Processing for the command `export/import command` in preview mode ends when a database transaction error is encountered in the server.

**System action:** Export/import processing ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the
activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0724E**  
Export/import command: Processing terminated abnormally - transaction failure.

**Explanation:** Processing for the command export/import command ends when a database transaction error is encountered in the server.

**System action:** Export/import processing ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0725E**  
Export/import command: Preview processing terminated abnormally - authentication failure.

**Explanation:** Processing for the command export/import command in preview mode ends when an authentication error is encountered in the server.

**System action:** Export/import processing ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0726E**  
Export/import command: Processing terminated abnormally - authentication failure.

**Explanation:** Processing for the command export/import command ends when an authentication error is encountered in the server.

**System action:** Export/import processing ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0727E**  
Export/import command: Preview processing terminated abnormally - internal error.

**Explanation:** Processing for the command export/import command ends when an internal error is encountered in the server.

**System action:** Export/import processing ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0728E**  
Export/import command: Processing terminated abnormally - internal error.

**Explanation:** Processing for the command export/import command ends when an internal error is encountered in the server.

**System action:** Export/import processing ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR0729E**  
Import command: Syntax error from command 'server command'.

**Explanation:** During processing of the command import command, an internal syntax error is encountered in the server.

**System action:** Import processing continues, but the indicated command will have no effect.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. After import processing is complete, it may be necessary to issue additional commands manually to obtain the necessary definitions.

**ANR0730E**  
Import command: Internal error from command 'server command'.

**Explanation:** Processing for the command import command ends when an internal command error is encountered in the server.

**System action:** Import processing ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.
ANR0731E  Import command: Invalid value for COMPRESSION parameter in exported data for node node name.

Explanation: During preview processing of command import command, an invalid value is encountered for the COMPRESSION parameter for node node name.

System action: Processing of the command continues. If a later command causes the data to be imported, the default or existing COMPRESSION value is used.

User response: None. If the data is imported with a later command, verify that the correct COMPRESSION value is used for this node.

ANR0732E  Import command: Invalid value for ARCHDELETE parameter in exported data for node node name.

Explanation: During preview processing of command import command, an invalid value is encountered for the ARCHDELETE parameter for node node name.

System action: Processing of the command continues. If a later command causes the data to be imported, the default or existing ARCHDELETE value is used.

User response: None. If the data is imported with a later command, verify that the correct ARCHDELETE value is used for this node.

ANR0733E  Import command: Invalid value for BACKDELETE parameter in exported data for node node name.

Explanation: During preview processing of command import command, an invalid value is encountered for the BACKDELETE parameter for node node name.

System action: Processing of the command continues. If a later command causes the data to be imported, the default or existing BACKDELETE value is used.

User response: None. If the data is imported with a later command, verify that the correct BACKDELETE value is used for this node.

ANR0734E  Import command: Invalid value for COMPRESSION parameter in exported data - node node name registered with default COMPRESSION value.

Explanation: During processing of command import command, an invalid value is encountered for the COMPRESSION parameter for node node name.

System action: Processing of the command continues, by using the default COMPRESSION value for this node.

User response: Verify that the correct COMPRESSION value has been used for this node. Update this value, if necessary.

ANR0735E  Import command: Invalid value for ARCHDELETE parameter in exported data - node node name registered with default ARCHDELETE value.

Explanation: During processing of command import command, an invalid value is encountered for the ARCHDELETE parameter for node node name.

System action: Processing of the command continues, by using the default ARCHDELETE value for this node.

User response: Verify that the correct ARCHDELETE value has been used for this node. Update this value, if necessary.

ANR0736E  Import command: Invalid value for BACKDELETE parameter in exported data - node node name registered with default BACKDELETE value.

Explanation: During processing of command import command, an invalid value is encountered for the BACKDELETE parameter for node node name.

System action: Processing of the command continues, by using the default BACKDELETE value for this node.

User response: Verify that the correct BACKDELETE value has been used for this node. Update this value, if necessary.

ANR0737E  Import command: Invalid value for COMPRESSION parameter in exported data - existing COMPRESSION value for node node name was not updated.

Explanation: During processing of command import command, an invalid value is encountered for the COMPRESSION parameter for node node name.

System action: Processing of the command continues, by using the existing COMPRESSION value for this node.

User response: Verify that the correct COMPRESSION value has been used for this node. Update this value, if necessary.

ANR0738E  Import command: Invalid value for ARCHDELETE parameter in exported data - existing ARCHDELETE value for node node name was not updated.

Explanation: During processing of command import command, an invalid value is encountered for the ARCHDELETE parameter for node node name.

System action: Processing of the command continues, by using the existing ARCHDELETE value for this node.

User response: Verify that the correct ARCHDELETE value has been used for this node. Update this value, if necessary.
value has been used for this node. Update this value, if necessary.

**ANR0739E**  
Import command: Invalid value for BACKDELETE parameter in exported data - existing BACKDELETE value for node node name was not updated.

**Explanation:** During processing of command import command, an invalid value is encountered for the BACKDELETE parameter for node node name.

**System action:** Processing of the command continues, by using the existing BACKDELETE value for this node.

**User response:** Verify that the correct BACKDELETE value has been used for this node. Update this value, if necessary.

**ANR0740E**  
Import command: Invalid value for TYPE parameter in exported data for copy group copy group name in domain domain name, set policy set name, management class management class name - this copy group will not be imported.

**Explanation:** During processing of command import command, an invalid value is encountered for the TYPE parameter for copy group copy group, in policy domain domain name, policy set policy set name, management class management class name.

**System action:** Processing of the command continues. However, this copy group is not imported because a TYPE value cannot be assigned.

**User response:** Manually define this copy group, if necessary.

**ANR0739E**  
Import command: Invalid value for TYPE parameter in exported data for copy group copy group name in domain domain name, set policy set name, management class management class name - backup is assumed.

**Explanation:** During processing of command import command, an invalid value is encountered for the TYPE parameter for copy group copy group, in policy domain domain name, policy set policy set name, management class management class name.

**System action:** Processing of the command continues. Based upon other copy group parameters, a copy group type of backup is assigned.

**User response:** Verify that the assigned TYPE value of backup for this copy group is correct.

**ANR0741E**  
Import command: Invalid value for TYPE parameter in exported data for copy group copy group name in domain domain name, set policy set name, management class management class name - archive is assumed.

**Explanation:** During processing of command import command, an invalid value is encountered for the TYPE parameter for copy group copy group, in policy domain domain name, policy set policy set name, management class management class name.

**System action:** Processing of the command continues. Based upon other copy group parameters, a copy group type of archive is assigned.

**User response:** Verify that the assigned TYPE value of archive for this copy group is correct.
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<td>Import command: Invalid value for SERIALIZATION parameter in exported data - archive copy group copy group name in domain domain name, set policy set name, management class management class name.</td>
<td>During preview processing of command import command, an invalid value is encountered for the SERIALIZATION parameter for archive copy group copy group name, in policy domain domain name, policy set policy set name, management class management class name.</td>
<td>Processing of the command continues. If a later command causes the data to be imported, the default or existing SERIALIZATION value is used.</td>
<td>None. If the data is imported with a later command, verify that the correct SERIALIZATION value is used for this archive copy group.</td>
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<td>ANR0746E</td>
<td>Import command: Invalid value for SERIALIZATION parameter in exported data - backup copy group copy group name in domain domain name, set policy set name, management class management class name.</td>
<td>During preview processing of command import command, an invalid value is encountered for the SERIALIZATION parameter for backup copy group copy group name, in policy domain domain name, policy set policy set name, management class management class name.</td>
<td>Processing of the command continues. If a later command causes the data to be imported, the default or existing SERIALIZATION value is used.</td>
<td>None. If the data is imported with a later command, verify that the correct SERIALIZATION value is used for this backup copy group.</td>
</tr>
<tr>
<td>ANR0747E</td>
<td>Import command: Invalid value for MODE parameter in exported data - archive copy group copy group name in domain domain name, set policy set name, management class management class name defined with default MODE value.</td>
<td>During processing of command import command, an invalid value is encountered for the MODE parameter for archive copy group copy group name, in policy domain domain name, policy set policy set name, management class management class name defined with default MODE value.</td>
<td>Processing of the command continues, by using the default MODE value for this archive copy group.</td>
<td>Verify that the correct MODE value has been used for this copy group. Update this value, if necessary.</td>
</tr>
<tr>
<td>ANR0748E</td>
<td>Import command: Invalid value for MODE parameter in exported data - backup copy group copy group name in domain domain name, set policy set name, management class management class name defined with default SERIALIZATION value.</td>
<td>During processing of command import command, an invalid value is encountered for the MODE parameter for backup copy group copy group name, in policy domain domain name, policy set policy set name, management class management class name defined with default SERIALIZATION value.</td>
<td>Processing of the command continues, by using the default SERIALIZATION value for this backup copy group.</td>
<td>Verify that the correct SERIALIZATION value has been used for this copy group. Update this value, if necessary.</td>
</tr>
<tr>
<td>ANR0749E</td>
<td>Import command: Invalid value for SERIALIZATION parameter in exported data - archive copy group copy group name in domain domain name, set policy set name, management class management class name defined with default SERIALIZATION value.</td>
<td>During processing of command import command, an invalid value is encountered for the SERIALIZATION parameter for archive copy group copy group name, in policy domain domain name, policy set policy set name, management class management class name defined with default SERIALIZATION value.</td>
<td>Processing of the command continues, by using the default SERIALIZATION value for this archive copy group.</td>
<td>Verify that the correct SERIALIZATION value has been used for this copy group. Update this value, if necessary.</td>
</tr>
<tr>
<td>ANR0750E</td>
<td>Import command: Invalid value for SERIALIZATION parameter in exported data - backup copy group copy group name in domain domain name, set policy set name, management class management class name defined with default SERIALIZATION value.</td>
<td>During processing of command import command, an invalid value is encountered for the SERIALIZATION parameter for backup copy group copy group name, in policy domain domain name, policy set policy set name, management class management class name defined with default SERIALIZATION value.</td>
<td>Processing of the command continues, by using the default SERIALIZATION value for this backup copy group.</td>
<td>Verify that the correct SERIALIZATION value has been used for this copy group. Update this value, if necessary.</td>
</tr>
</tbody>
</table>
ANR0751E  Import command: Invalid value for MODE parameter in exported data - existing MODE value for archive copy group copy group name in domain domain name, set policy set name, management class management class name was not updated.

Explanation: During processing of command import command, an invalid value is encountered for the MODE parameter for archive copy group copy group name, in policy domain domain name, policy set policy set name, management class management class name.

System action: Processing of the command continues, by using the existing MODE value for this archive copy group.

User response: Verify that the correct MODE value has been used for this copy group. Update this value, if necessary.

ANR0752E  Import command: Invalid value for MODE parameter in exported data - existing MODE value for backup copy group copy group name in domain domain name, set policy set name, management class management class name was not updated.

Explanation: During processing of command import command, an invalid value is encountered for the MODE parameter for backup copy group copy group name, in policy domain domain name, policy set policy set name, management class management class name.

System action: Processing of the command continues, by using the existing MODE value for this backup copy group.

User response: Verify that the correct MODE value has been used for this copy group. Update this value, if necessary.

ANR0755E  Import command: Invalid value for ACTION parameter in exported data for schedule schedule name in domain domain name.

Explanation: During preview processing of command import command, an invalid value is encountered for the ACTION parameter for schedule schedule name in policy domain domain name.

System action: Processing of the command continues. If a later command causes the data to be imported, the default or existing ACTION value is used.

User response: If the data is imported with a later command, verify that the correct ACTION value is used for this schedule.

ANR0756E  Import command: Invalid value for DURUNITS or PERUNITS parameter in exported data for schedule schedule name in domain domain name.

Explanation: During preview processing of command import command, an invalid value is encountered for the DURUNITS or PERUNITS parameter for schedule schedule name in policy domain domain name.

System action: Processing of the command continues. If a later command causes the data to be imported, the default or existing values are used for DURATION, DURUNITS, PERIOD, and PERUNITS.

User response: If the data is imported with a later
command, verify that the correct values for DURATION, DURUNITS, PERIOD, and PERUNITS are used for this schedule.

**ANR0757E**  
Import command: Invalid value for DAYOFWEEK parameter in exported data for schedule schedule name in domain domain name.

**Explanation:** During preview processing of command import command, an invalid value is encountered for the DAYOFWEEK parameter for schedule schedule name in policy domain domain name.

**System action:** Processing of the command continues. If a later command causes the data to be imported, the default or existing DAYOFWEEK value is used.

**User response:** If the data is imported with a later command, verify that the correct DAYOFWEEK value is used for this schedule.

**ANR0758E**  
Import command: Invalid value for ACTION parameter in exported data - schedule schedule name in domain domain name defined with default ACTION value.

**Explanation:** During processing of command import command, an invalid value is encountered for the ACTION parameter for schedule schedule name in policy domain domain name.

**System action:** Processing of the command continues, by using the default ACTION value for this schedule.

**User response:** Verify that the correct ACTION value has been used for this schedule. Update this value, if necessary.

**ANR0759E**  
Import command: Invalid value for DURUNITS or PERUNITS parameter in exported data - schedule schedule name in domain domain name defined with default values for DURATION, DURUNITS, PERIOD, and PERUNITS.

**Explanation:** During processing of command import command, an invalid value is encountered for the DURUNITS or PERUNITS parameter for schedule schedule name in policy domain domain name.

**System action:** Processing of the command continues, by using the default values for DURATION, DURUNITS, PERIOD, and PERUNITS.

**User response:** Verify that the correct values have been used for DURATION, DURUNITS, PERIOD, and PERUNITS. Update these values, if necessary.

**ANR0760E**  
Import command: Invalid value for DAYOFWEEK parameter in exported data - schedule schedule name in domain domain name defined with default DAYOFWEEK value.

**Explanation:** During processing of command import command, an invalid value is encountered for the DAYOFWEEK parameter for schedule schedule name in policy domain domain name.

**System action:** Processing of the command continues, by using the default DAYOFWEEK value for this schedule.

**User response:** Verify that the correct DAYOFWEEK value has been used for this schedule. Update this value, if necessary.

**ANR0761E**  
Import command: Invalid value for ACTION parameter in exported data - existing ACTION value for schedule schedule name in domain domain name was not updated.

**Explanation:** During processing of command import command, an invalid value is encountered for the ACTION parameter for schedule schedule name in policy domain domain name.

**System action:** Processing of the command continues, by using the existing ACTION value for this schedule.

**User response:** Verify that the correct ACTION value has been used for this schedule. Update this value, if necessary.

**ANR0762E**  
Import command: Invalid value for DURUNITS or PERUNITS parameter in exported data - existing values for DURATION, DURUNITS PERIOD, and PERUNITS for schedule schedule name in domain domain name were not updated.

**Explanation:** During processing of command import command, an invalid value is encountered for the DURUNITS or PERUNITS parameter for schedule schedule name in policy domain domain name.

**System action:** Processing of the command continues, by using the existing values for DURATION, DURUNITS, PERIOD, and PERUNITS.

**User response:** Verify that the correct values have been used for DURATION, DURUNITS, PERIOD, and PERUNITS. Update these values, if necessary.

**ANR0763E**  
Import command: Invalid value for DAYOFWEEK parameter in exported data - existing DAYOFWEEK value for schedule schedule name in domain domain name was not updated.

**Explanation:** During processing of command import
command, an invalid value is encountered for the DAYOFWEEK parameter for schedule schedule name in policy domain domain name.

**System action:** Processing of the command continues, by using the existing DAYOFWEEK value for this schedule.

**User response:** Verify that the correct DAYOFWEEK value has been used for this schedule. Update this value, if necessary.

---

**ANR0764E**  
**Import command:** Invalid lock status detected while importing node node name - this node will not be locked.

**Explanation:** During processing of command import command, an invalid value is encountered for the lock status for node node name.

**System action:** Processing of the command continues, but the node is not locked.

**User response:** An administrator with the proper authorization must issue the LOCK NODE command, if necessary.

---

**ANR0765E**  
**Import command:** Invalid lock status detected while importing administrator administrator name - this administrator will not be locked.

**Explanation:** During processing of command import command, an invalid value is encountered for the lock status for administrator administrator name.

**System action:** Processing of the command continues, but the administrator is not locked.

**User response:** An administrator with the proper authorization must issue the LOCK ADMIN command, if necessary.

---

**ANR0766E**  
**Export command:** Invalid value for TYPE parameter detected while exporting copy group copy group name in domain domain name, set policy set name, management class management class name - system will attempt to assign value during import.

**Explanation:** During processing of command export command, an invalid value is encountered for the TYPE parameter for copy group copy group name in domain domain name, set policy set name, management class management class name.

**System action:** Export processing continues, but the exported data contains an unknown TYPE value for this copy group. If this data is imported, the system will attempt to assign a TYPE during import processing.

**User response:** Delete and define this copy group to eliminate the invalid data, and then restart the export command. Alternatively, use the export data with the unknown value, and the system will attempt to assign a TYPE during import processing.

---

**ANR0767E**  
**Export command:** Invalid value for MODE parameter detected while exporting copy group copy group name in domain domain name, set policy set name, management class management class name - default or existing value is used during import.

**Explanation:** During processing of command export command, an invalid value is encountered for the MODE parameter for copy group copy group name in domain domain name, set policy set name, management class management class name.

**System action:** Export processing continues, but the exported data contains an unknown MODE value for this copy group. If this data is imported, the default or existing MODE value is used.

**User response:** Update the MODE value for this copy group and restart the export command. Alternatively, use the export data with the unknown value, and check and update the MODE value after import processing has been performed.

---

**ANR0768E**  
**Export command:** Invalid value for SERIALIZATION parameter detected while exporting copy group copy group name in domain domain name, set policy set name, management class management class name - default or existing value is used during import.

**Explanation:** During processing of command export command, an invalid value is encountered for the SERIALIZATION parameter for copy group copy group name in domain domain name, set policy set name, management class management class name.

**System action:** Export processing continues, but the exported data contains an unknown SERIALIZATION value for this copy group. If this data is imported, the default or existing SERIALIZATION value is used.

**User response:** Update the SERIALIZATION value for this copy group and restart the export command. Alternatively, use the export data with the unknown value, and check and update the SERIALIZATION value after import processing has been performed.

---

**ANR0769E**  
**Export command:** Invalid value for ACTION parameter detected while exporting schedule schedule name in domain domain name - default or existing value is used during import.

**Explanation:** During processing of command export command, an invalid value is encountered for the
ACTION parameter for schedule schedule name in domain domain name.

System action: Export processing continues, but the exported data will contain an unknown ACTION value for this schedule. If this data is imported, the default or existing ACTION value is used.

User response: Update the ACTION value for this schedule and restart the export command. Alternatively, use the export data with the unknown value, and check and update the ACTION value after import processing has been performed.

ANR0770E  Export command: Invalid value for DURUNITS parameter detected while exporting schedule schedule name in domain domain name - default or existing value is used during import.

Explanation: During processing of command export command, an invalid value is encountered for the DURUNITS parameter for schedule schedule name in domain domain name.

System action: Export processing continues, but the exported data contains an unknown DURUNITS value for this schedule. If this data is imported, the default or existing DURUNITS value is used.

User response: Update the DURUNITS value for this schedule and restart the export command. Alternatively, use the export data with the unknown value, and check and update the DURUNITS value after import processing has been performed.

ANR0771E  Export command: Invalid value for PERUNITS parameter detected while exporting schedule schedule name in domain domain name - default or existing value is used during import.

Explanation: During processing of command export command, an invalid value is encountered for the PERUNITS parameter for schedule schedule name in domain domain name.

System action: Export processing continues, but the exported data contains an unknown PERUNITS value for this schedule. If this data is imported, the default or existing PERUNITS value is used.

User response: Update the PERUNITS value for this schedule and restart the export command. Alternatively, use the export data with the unknown value, and check and update the PERUNITS value after import processing has been performed.

ANR0772E  Export command: Invalid value for DAYOFWEEK parameter detected while exporting schedule schedule name in domain domain name - default or existing value is used during import.

Explanation: During processing of command export command, an invalid value is encountered for the DAYOFWEEK parameter for schedule schedule name in domain domain name.

System action: Export processing continues, but the exported data contains an unknown DAYOFWEEK value for this schedule. If this data is imported, the default or existing DAYOFWEEK value is used.

User response: Update the DAYOFWEEK value for this schedule and restart the export command. Alternatively, use the export data with the unknown value, and check and update the DAYOFWEEK value after import processing has been performed.

ANR0773E  Export command: Invalid lock status detected while exporting administrator administrator name - this administrator will not be locked during import.

Explanation: During processing of command export command, an invalid value is encountered for the lock status for administrator administrator name.

System action: Export processing continues, but the exported data contains an unknown lock status for this administrator. If this data is imported, the administrator will not be locked.

User response: An administrator with the proper authorization must issue the LOCK NODE or UNLOCK NODE command to achieve the desired lock status, and then restart the export command. Alternatively, use the export data with the unknown status, and issue a LOCK ADMIN or UNLOCK ADMIN command after import processing has been performed.

ANR0774E  Export command: Invalid value for COMPRESSION parameter detected while exporting node node name - default or existing value is used during import.

Explanation: During processing of command export command, an invalid value is encountered for the COMPRESSION parameter for node node name.

System action: Export processing continues, but the exported data contains an unknown COMPRESSION value for this node. If this data is imported, the default or existing COMPRESSION value is used.

User response: Update the COMPRESSION parameter for this node and restart the export command. Alternatively, use the export data with the unknown value, and check and update the COMPRESSION value after import processing has been performed.
<table>
<thead>
<tr>
<th>ANR0775E</th>
<th>Export command: Invalid lock status detected while exporting node node name - this node will not be locked during import.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During processing of command export command, an invalid value is encountered for the lock status for node node name.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Export processing continues, but the exported data contains an unknown lock status for this node. If this data is imported, the node will not be locked.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Lock or unlock the node to achieve the desired lock status, and then restart the export command. Alternatively, use the export data with the unknown status, and lock or unlock the node after import processing has been performed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0776E</th>
<th>Export command: Invalid value for ARCHDELETE parameter detected while exporting node node name - default or existing value is used during import.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During processing of command export command, an invalid value is encountered for the ARCHDELETE parameter for node node name.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Export processing continues, but the exported data contains an unknown ARCHDELETE value for this node. If this data is imported, the default or existing ARCHDELETE value is used.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Update the ARCHDELETE parameter for this node and restart the export command. Alternatively, use the export data with the unknown value, and check and update the ARCHDELETE value after import processing has been performed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0777E</th>
<th>Export command: Invalid value for BACKDELETE parameter detected while exporting node node name - default or existing value is used during import.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During processing of command export command, an invalid value is encountered for the BACKDELETE parameter for node node name.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Export processing continues, but the exported data contains an unknown BACKDELETE value for this node. If this data is imported, the default or existing BACKDELETE value is used.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Update the BACKDELETE parameter for this node and restart the export command. Alternatively, use the export data with the unknown value, and check and update the BACKDELETE value after import processing has been performed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0778E</th>
<th>Command: Error encountered in accessing data storage - device class device class name is not defined.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During command command processing, an error occurred because the specified device class is not defined.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The command command is ended and server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Make sure the specified device class is defined.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0779E</th>
<th>Command: Error encountered in accessing data storage - disk volume specified.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During command command processing, an error occurred because a specified volume is a disk volume rather than a tape volume.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The command command is ended and server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Make sure that all volumes specified for the command command are tape volumes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0780E</th>
<th>Export/import command: Process aborted - a server communications session could not be established.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The server export/import process encounters an internal error in establishing an intermemory communications session with other server components.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The export or import process ends and server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>See the documentation for the operating system about how to increase memory for an application. If the error is not resolved, contact your service representative.</td>
</tr>
</tbody>
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<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The server export/import process encounters an internal error in establishing an intermemory communications session with other server components.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The export or import process ends and server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Contact your service representative.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR0782E</th>
<th>Export/import command: Process aborted - a server data storage session could not be established (rc return code).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The server export/import process encounters an internal error in establishing a session</td>
</tr>
</tbody>
</table>

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with the data storage services.

**System action:** The export or import process ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

---

**ANR0783E**  
**Export/import command: Process aborted - a server data storage Export/Import stream could not be established (rc return code).**

**Explanation:** The server export/import process encounters an internal error in establishing a session with the data storage services.

**System action:** The export or import process ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

---

**ANR0784E**  
**Export/import command: Process aborted - internal error detected with the Export/Import level: level number.**

**Explanation:** The server export/import process encounters an internal error in evaluating the export/import level (SERVER, NODE, ADMIN, POLICY).

**System action:** The export or import process ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

---

**ANR0785E**  
**Import command: Invalid record type record type read from export data.**

**Explanation:** The server export/import process encounters an internal error in reading data from the export media. An invalid record type of record type is encountered during the read operation.

**System action:** The export or import process ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

---

**ANR0786E**  
**Import command: Invalid export version version number in exported data.**

**Explanation:** The server import process encounters an internal error in reading data from the export media. An invalid export version number (version number) is encountered during the read operation.

**System action:** The export or import process ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

---

**ANR0787E**  
**Import command: Import of file space filespace name in node node name aborted by server (abort reason).**

**Explanation:** The server import process encounters an internal error in importing file space filespace name for client node node name. The reason code abort reason is encountered.

**System action:** The export or import process ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

---

**ANR0788E**  
**Import command: Error error code during import of data storage data.**

**Explanation:** The server import process encounters an internal data storage error. The error code error code is encountered.

**System action:** The export or import process ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

---

**ANR0789E**  
**Import command: Failure in normalizing transaction identifier for sending to the server.**

**Explanation:** The server import process encounters an
internal database transaction error in importing information into the server database.

**System action:** The export or import process ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

---

**ANR0790E**  
*Import command: Error in absorbing data records.*

**Explanation:** The server import process encounters an internal error in importing information into the server database.

**System action:** The export or import process ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

---

**ANR0791E**  
*Export/import command: Protocol error - verb "verb type" with length verb length received, expected "expected type".*

**Explanation:** The server export or import process encounters an internal protocol error in exporting information from or importing information into the server database. The verb *verb type* is encountered with a length of *verb length* when a verb type of *expected type* was expected.

**System action:** The export or import process ends and server operation continues.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

---

**ANR0792E**  
*Import command: Invalid copy type encountered in an imported file space authorization rule for node node name, file space filesystem name - a type of BACKUP will be assumed.*

**Explanation:** During import processing for command *import command*, an invalid copy type is encountered for an authorization rule that grants access for file space *filesystem name* on node *node name*. Authorization rules typically specify copy types of backup or archive, depending on whether backup file access or archive file access is granted by the file space owner to other users. Because the imported information for the rule is ambiguous, the server assumes that the rule is for backup data.

**System action:** The import process continues.

**User response:** The user for node *node name* should query the access rules for the specified node name after the import process has completed, and correct or delete any access rules that are in error or not needed.

---

**ANR0793E**  
*Export/import command: Preview processing terminated abnormally - error accessing data storage.*

**Explanation:** The server encountered an internal error in accessing data storage while executing an import or export preview operation.

**System action:** The export or import operation is ended and server operation continues.

**User response:** Use the QUERY ACTLOG command to examine messages prior to this error to determine the cause of the data storage failure. If you find and resolve the error, retry the export or import operation. If you cannot find the error, contact your service representative for assistance in resolving the problem.

---

**ANR0794E**  
*Export/import command: Processing terminated abnormally - error accessing data storage.*

**Explanation:** The server encountered an internal error in accessing data storage while executing an import or export operation.

**System action:** The export or import operation is ended and server operation continues.

**User response:** Use the QUERY ACTLOG command to examine messages prior to this error to determine the cause of the data storage failure. If you find and resolve the error, retry the export or import operation. If you cannot find the error, contact your service representative for assistance in resolving the problem.

---

**ANR0795E**  
*Command: Error encountered in accessing data storage - invalid volume name specified.*

**Explanation:** The server encounters an error in accessing data storage while processing command *command*. The error occurred because an attempt has been made to access a volume with an invalid name.

**System action:** The command *command* operation is ended and server operation continues.
**ANR0796E**  Command: Error encountered in accessing data storage - insufficient number of mount points available for removable media.

**Explanation:** During command *command* processing, the server cannot allocate sufficient mount points.

**System action:** The command *command* operation is ended and server operation continues.

**User response:** If necessary, make more mount points available.

**ANR0797E**  Command: Error encountered in accessing data storage - required volume was not mounted.

**Explanation:** During command *command* processing, a required volume cannot be mounted. The mount request may have been canceled.

**System action:** The command *command* operation is ended and server operation continues.

**User response:** Issue the command again and make sure the necessary volumes are accessible.

**ANR0798E**  Import command: Error encountered in accessing data storage - volume cannot be used.

**Explanation:** During import processing, a volume has been mounted but cannot be used.

**System action:** The import operation is ended and server operation continues.

**User response:** Query the activity log for messages preceding this one that give additional information. Make sure a usable volume is specified and mounted.

**ANR0799E**  Command: Error encountered in accessing data storage - volume already in use.

**Explanation:** During command *command* processing, a volume cannot be used because it is already defined in a storage pool, or has been previously used by an export, database dump, or database backup operation (as recorded in the volume history) or is in use by another process.

**System action:** The command *command* operation is ended and server operation continues.

**User response:** Specify a volume that is not in use or defined to server storage pools. Use the QUERY VOLHISTORY command to display the names of volumes that have been used for export, database dump, or database backup operations.

**ANR0800I**  DELETE FILESPACE *filespace name* for node *node name* started as process *process ID*.

**Explanation:** The specified client node has started a file space deletion process (on the server) to delete one or more file spaces belonging to the node indicated. If a file space name is not included in the message, all file spaces belonging to the node are deleted.

**System action:** The server starts a background process to perform the operation in response to the DELETE FILESPACE command entered by an administrator.

**User response:** To obtain status on the file space deletion process, issue the QUERY PROCESS command. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.

**ANR0802I**  DELETE FILESPACE *filespace name* (backup data) for node *node name* started.

**Explanation:** A background server process has started (on the server) to delete the specified file space belonging to the node indicated. If a file space name is not included in the message, all file spaces belonging to the node are deleted.

**System action:** The background process deletes backup and archive objects for the specified file space while server operation continues.

**User response:** To obtain status on the file space deletion process, issue the QUERY PROCESS command. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.
(on the server) to delete backup objects in the specified file space belonging to the node indicated. If a file space name is not included in the message, then the backup objects for all file spaces that belong to the node are deleted.

System action: The background process deletes backup objects for the specified file space while server operation continues.

User response: To obtain status on the file space deletion process, issue the QUERY PROCESS command. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.

ANR0804I DELETE FILESPACE filespace name (archive data) for node node name started.

Explanation: A background server process has started (on the server) to delete archive objects in the specified file space belonging to the node indicated. If a file space name is not included in the message, then the archive objects for all file spaces that belong to the node are deleted.

System action: The background process deletes archive objects for the specified file space while server operation continues.

User response: To obtain status on the file space deletion process, issue the QUERY PROCESS command. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.

ANR0805I DELETE FILESPACE filespace name canceled for node node name; number of objects objects deleted.

Explanation: A background server process that has been deleting file space data for the indicated node is canceled by the CANCEL PROCESS command. The number of objects deleted before the cancel ended the operation are reported in the message.

System action: The server process is ended and server operation continues.

User response: No action is required. An authorized administrator can issue the DELETE FILESPACE command to delete remaining objects in the file space.

ANR0806I The filespace name file space was deleted for node node name; number of objects objects were deleted.

Explanation: A server process deleted file space data for the specified node. The total number of deleted objects is reported in the message.

System action: The deletion process is complete, but server operations continue.

User response: None.

ANR0811I Inventory client file expiration started as process process ID.

Explanation: The server has started roll-off processing to remove expired client backup and archive file copies, based on the management class policy that is bound to the files. The copy group retention and version parameters for each file's copy group are used by the server to determine if copies are to be deleted from the server. The expiration process was started as process number process ID, and may be queried or canceled with the QUERY PROCESS or CANCEL PROCESS commands, respectively.

System action: The expiration process is now cancellable. Server operation continues.

User response: None.

ANR0812I Inventory file expiration process process ID completed: processed number of nodes nodes, examined number of objects objects, deleting number of backup objects backup objects, number of archive objects archive objects, number of DB backup volumes DB backup volumes, and number of recovery plan files recovery plan files. retry count objects were retried and error count errors were encountered.

Explanation: Server roll-off processing has completed. The number of client objects examined and deleted, based on management class policy, are displayed in the message. A total error count is also displayed. The number of DB backup volumes deleted is based on the value specified on the SET DRMDBBACKUPEXPIREDAYS. The number of recovery plan files deleted is based on the value specified on the SET DRMRPFEXPIREDAYS. Server roll-off processing deletes the DB backup volumes and recovery plan files only if DRM is licensed on the server and the volumes or plan files are created on the server to server virtual volumes.

System action: The roll-off process is ended and server operation continues.

User response: If the error count is not equal to 0, examine messages that may have been issued in the activity log to determine the cause for the errors.

ANR0813I Inventory file expiration process process ID canceled prior to completion: processed number of nodes nodes, examined number of objects objects, deleting number of backup objects backup objects, number of archive objects archive objects, number of DB backup volumes DB backup volumes, and number of recovery plan files recovery plan files. retry count objects were retried and error count errors were encountered.
ANR0814I  Expiration retry was successful.

Explanation: In accordance with management class policy, server roll-off processing has been successful in retrying a client file expiration.

System action: Server roll-off processing continues.

User response: None.

ANR0818I  Waiting to retry expiration because of insufficient resources.

Explanation: The server inventory expiration process is waiting to retry expiration processing that failed because of insufficient memory, database, or log resources on the server.

System action: Server operation continues. The expiration processing is reattempted automatically.

User response: Use the QUERY ACTLOG command to examine messages issued prior to this one, which indicated the resource that is not available to the expiration process. Correct the shortage.

ANR0819I  Cancel in progress

Explanation: This message is displayed in response to a QUERY PROCESS command, and indicates that an inventory expiration process has been canceled. The process will end shortly.

System action: The expiration process terminates and server operation continues.

User response: None.

ANR0820I  Sorting information for number objects has been deleted.

Explanation: A background server process has deleted sorting information for number files from the server database. This process is started during initialization to remove any sorting information which is left over from previous export operations.

System action: The actual backup or archive objects were not deleted, but only information used to sort these objects during the previous export operation.

User response: None.
ANR0821E  Files pace identifier fsId is not valid.
Explanation: The identifier assigned for a file space is out of range.
System action: The file space is not added.
User response: Contact your service representative.

ANR0822I  command: File space filespace name (fsId=space id) successfully renamed to new filespace name for node node name.
Explanation: The file space specified was renamed to the new name specified for the node. This message is displayed in response to successful completion of the RENAME FILESPACE command.
System action: The system renames the file space for the node as indicated
User response: None.

ANR0823E  command: File space filespace name cannot be renamed to new filespace name, a file space with this name already exists for node node name.
Explanation: The file space name specified as a target name for the command was found to already exist for the node specified. The command fails.
System action: Server operation continues, the command fails.
User response: Reissue the command with a different target file space name

ANR0824I  Delete File space filespace name (space-managed data) for node node name started.
Explanation: A background server process has started (on the server) to delete space-managed objects in the specified file space belonging to the node indicated. If a file space name is not included in the message, then the space-managed objects for all file spaces that belong to the node are deleted.
System action: The background process deletes space-managed objects for the specified file space while server operation continues.
User response: To obtain status on the file space deletion process, issue the QUERY PROCESS command. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.

ANR0825I  DELETE FILESPACE filespace name will be retried for node node name.
Explanation: A file space deletion process for the node indicated is being retried because an error was encountered.
System action: The server process is retried.
User response: None.

ANR0826I  DELETE FILESPACE filespace name for node node name encountered a transaction failure.
Explanation: A background server process that has been deleting file space data for the indicated node encountered a transaction failure.
System action: The server process is retried if the maximum number of retry attempts have not been exceeded.
User response: Transaction failure usually indicates that a database deadlock was detected during file space deletion. These deadlock conditions are sometimes encountered when multiple file space deletion processes are running at the same time. No action is required unless the DELETE FILESPACE terminates without completing the deletion process (see message ANR0828).

ANR0827I  DELETE FILESPACE filespace name will be retried for node node name.
Explanation: A file space deletion process for the node indicated is being retried because an error was encountered.
System action: The server process is retried.
User response: None.

ANR0828W  DELETE FILESPACE filespace name for node node name terminated before completion due to transaction failure: number of objects objects deleted.
Explanation: A background server process that has been deleting file space data for the indicated node is terminated prematurely because of transaction failure. The number of objects deleted before the operation ended are reported in the message.
System action: The server process is ended and server operation continues.
User response: Termination of this process because of transaction failure usually indicates that a database deadlock was detected during file space deletion. These deadlock conditions are sometimes encountered when multiple file space deletion processes are running at the same time. The command should be started again when fewer file space deletion processes are active. An authorized administrator can issue the DELETE FILESPACE command to delete remaining files in the file space(s).

ANR0829E  Command: Invalid combination of TYPE and DATA parameters.
Explanation: The specified command has been issued with an invalid combination of the TYPE and DATA parameters. DATA=IMAGES can only be specified if TYPE=ANY or TYPE=BACKUP.
System action: Server operation continues, but the command is not processed.
User response: Issue the command and specify a valid combination of parameters.
ANR0830W  Management class class name in domain domain name used by node node name in file space filespace name is no longer active, or no longer has a BACKUP copy group: DEFAULT management class attributes will be used for expiration.

Explanation: During policy roll-off processing, the server has found a client file copy whose management class or backup copy group no longer exists.

System action: The server obtains the DEFAULT management class for the specified domain and uses its backup copy group version and retention parameters to determine if file copies need to be expired.

User response: No action is required. A policy administrator with authority over the specified domain may use the DEFINE COPYGROUP, DEFINE MGMTCLASS, and ACTIVATE POLICY commands to define and activate a policy set that contains definitions for the missing management class or copy group.

ANR0831W  The DEFAULT management class class name in domain domain name does not have a BACKUP copy group: GRACE PERIOD will be used for expiration.

Explanation: During policy roll-off processing, the server found a client file copy whose management class or archive copy group no longer exists. The DEFAULT management class for the indicated policy domain does not contain a backup copy group; therefore, the server uses the GRACE PERIOD retention value defined for the specified policy domain to determine if client file copies need to be expired and removed from the server database.

System action: The server obtains the GRACE PERIOD retention values for the specified domain and then determines if archive file copies need to be expired.

User response: No action is required. A policy administrator with authority over the specified domain may use the DEFINE COPYGROUP, DEFINE MGMTCLASS, and ACTIVATE POLICYSET commands to define and activate a policy set that contains definitions for the missing management class or backup copy group.

ANR0832W  Management class class name in domain domain name used by node node name in filespace filespace name is no longer active, or no longer has an ARCHIVE copy group: DEFAULT management class attributes will be used for expiration.

Explanation: During policy roll-off processing, the server found a client file copy whose management class or archive copy group no longer exists.

System action: The server obtains the DEFAULT management class for the specified domain and uses its archive copy group retention parameter to determine if file copies need to be expired.

User response: No action is required. A policy administrator with authority over the specified domain may use the DEFINE COPYGROUP, DEFINE MGMTCLASS, and ACTIVATE POLICY commands to define and activate a policy set that contains definitions for the missing management class or copy group.

ANR0833W  The DEFAULT management class class name in domain domain name does not have an ARCHIVE copy group: GRACE PERIOD will be used for expiration.

Explanation: During policy roll-off processing, the server found a client file copy whose management class or archive copy group no longer exists. The DEFAULT management class for the indicated policy domain does not contain an archive copy group; therefore, the server uses the GRACE PERIOD retention value defined for the specified policy domain to determine if client file copies need to be expired and removed from the server database.

System action: The server obtains the GRACE PERIOD retention values for the specified domain and then determines if archive file copies need to be expired.

User response: No action is required. A policy administrator with authority over the specified domain may use the DEFINE COPYGROUP, DEFINE MGMTCLASS, and ACTIVATE POLICYSET commands to define and activate a policy set that contains definitions for the missing management class or backup copy group.

ANR0834W  Inventory client file expiration cannot start because of insufficient memory - will retry in number of seconds seconds.

Explanation: The server inventory expiration process is pausing to retry an operation that failed because sufficient memory is not available on the server.

System action: Server operation continues; the expiration process will be retried after the stated delay.

User response: See the documentation for the operating system about how to increase memory for an application.
ANR0835W  Management class class name in domain domain name is no longer active, or no longer has a BACKUP copy group, or no longer has an ARCHIVE copy group. DEFAULT management class used to delete number of backup files backup files and number of archive files archive files.

Explanation: During policy roll-off processing, the server found a management class or backup copy group or archive copy group that no longer exists. When a management class or backup copy group no longer exists, the number of backup client file copies that have been deleted using the default management class or the retention grace period is displayed in the message. When a management class or archive copy group no longer exists, the number of archive client files that have been deleted using the default management class or the retention grace period is displayed in the message.

System action: The server obtains the DEFAULT management class for the specified domain and uses its backup copy group or archive copy group version and retention parameters to determine if file copies need to be expired. If, however, the needed backup copy group or archive copy group does not exist in the DEFAULT management class, the server will use the retention grace period for the domain.

User response: No action is required. This message is only issued when expiration processing has been started with the QUIET option to suppress detailed messages. Expiration processing can be started without the QUIET option to see the detailed messages which will indicate specific node and filespaces and will further distinguish between backup and archive copy groups. A policy administrator with authority over the specified domain may use the DEFINE COPYGROUP, DEFINE MGMTCLASS, and ACTIVATE POLICY commands to define and activate a policy set that contains definitions for the missing management class or copy group.

ANR0836W  No query restore processing session session id for node node name and filespace name failed to retrieve file high-level file namelow-level file name - file being skipped.

Explanation: The no query restore processing for the session listed relating to the specified node name and filespace name failed to retrieve the specified file. An error occurred while retrieving this file so it will be skipped.

System action: The no query restore operation continues.

User response: Determine the cause of the file retrieve failure and correct it. After this situation is correct, the client can do a restore of the specific file that was skipped.

ANR0837I  Inventory file expiration process process ID was terminated after exceeding the duration limit of duration minutes; processed number of nodes nodes, examined number of objects objects, deleting number of backup objects backup objects, number of archive objects archive objects, number of DB backup volumes DB backup volumes, and number of recovery plan files recovery plan files. retry count objects were retried and error count errors were encountered.

Explanation: An administrator or schedule issued the command EXPIRE INVENTORY ... DURATION=xxx, where xxx is the number of minutes for the expire inventory process to run. That xxx number of minutes has been reached, so the expire inventory process ends.

System action: The expire inventory process ends.

User response: None.

ANR0838I  Pass pass of group table conversion processing beginning.

Explanation: The contents of the group information tables needs to be updated before the server can fully initialize. This is an informational message indicating that processing has begun for a particular pass of the conversion.

System action: Server processing continues.

User response: None.

ANR0839I  Pass pass of group table conversion processing complete.

Explanation: The contents of the group information tables have been successfully converted for the specified pass.

System action: If all passes of the conversion are complete, server processing continues. If not, additional passes will be performed.

User response: None.

ANR0840I  Converting group table information for node node name.

Explanation: The group table information for the displayed node is being converted.

System action: Server processing continues.

User response: None.
ANR0844E  Command: node name is not a backup-archive node.
Explanation:  The specified node name is not a backup-archive node.
System action:  Processing fails for the command. Server operation continues.
User response:  Reissue the command with a valid node name.

ANR0847I  CLEANUP BACKUPGROUPS evaluated number of groups groups, and deleted groups deleted orphan groups with members deleted members deleted.
Explanation:  The CLEANUP BACKUPGROUPS has finished processing, and has deleted the specified number of orphan groups and members.
System action:  Processing continues.
User response:  None.

ANR0848W  Expiration failed to delete file type file file name for node node name and filespace filespace name - file will be skipped.
Explanation:  The expiration process was unable to delete the indicated file. The file will be skipped by expiration.
System action:  The expiration process continues.
User response:  Try expiration again to determine if the cause of the deletion failure was an intermittent problem or if it is a permanent problem. If after a subsequent expiration attempt the file still is not deleted, contact your service representative.

ANR0849E  Command: Not permitted for node Node Name - node of type SERVER.
Explanation:  The indicated DELETE FILESPACE process is not started because the node specified is of NODETYPE=SERVER. A DELETE FILESPACE may only be processed for nodes of this type with the TYPE=SERVER parameter specified.
System action:  The DELETE FILESPACE command is ended and server processing continues.
User response:  If this filesystem must be deleted, Reissue the command with the TYPE parameter set to TYPE=SERVER. Please use caution when using the TYPE=SERVER parameter as this can impact the availability of data for the server that owns these files.

ANR0850E  Command: Cannot Start process name Process.
Explanation:  The indicated DELETE FILESPACE process cannot be started on the server.
System action:  The DELETE FILESPACE command is ended and server processing continues.
User response:  This usually indicates that sufficient server memory is not available on the server.

ANR0851E  Cannot start delete file space thread for node node name.
 Explanation:  The indicated DELETE FILESPACE process cannot be started on the server. Sufficient memory on the server may not be available.
System action:  The DELETE FILESPACE command is ended and server processing continues.
User response:  See the documentation for the operating system about how to increase memory for an application.

ANR0852E  Command: No matching file spaces found for node node name.
Explanation:  The server did not find any file spaces for the node indicated matching the names specified in the command.
System action:  The server ends the command.
User response:  Enter the command with file space names that refer to defined file spaces for the specified node. Note that file space names are case sensitive. Enter them by using exactly the same uppercase and lowercase characters that match the file space name defined on the server. Use the QUERY FILESPACE command to determine which file spaces are defined for a node on the server.

ANR0853E  Transaction failed in file space deletion, DELETE FILESPACE process aborted.
Explanation:  A database transaction fails while the server is deleting file space data.
System action:  The server ends the file space deletion process.
User response:  Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.
ANR0854E  Inventory file space query failure, DELETE FILESPACE process aborted.

Explanation: The server encounters an error in querying the inventory database during a file space deletion process.

System action: The server ends the file space deletion process.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0855E  Server LOG space exhausted, DELETE FILESPACE process aborted.

Explanation: Insufficient server log space has been encountered during file space deletion processing.

System action: The server ends the file space deletion process.

User response: To increase the amount of log space available to the server, an authorized administrator can add log volumes by using the DEFINE LOGVOLUME command, and can extend the size of the log by using the EXTEND LOG command.

ANR0856E  Server database space exhausted, DELETE FILESPACE process aborted.

Explanation: Insufficient server database space has been encountered during file space deletion processing.

System action: The server ends the file space deletion process.

User response: To increase the amount of database space available to the server, an authorized administrator can add log volumes using the DEFINE DBVOLUME command and can extend the size of the database using the EXTEND DB command.

ANR0857E  Data storage session failure, DELETE FILESPACE process aborted.

Explanation: The server encounters an error accessing the inventory database during file space deletion processing.

System action: The server ends the file space deletion process.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0858E  Inventory object search failure, DELETE FILESPACE process aborted.

Explanation: The server encounters an error accessing the inventory database during file space deletion processing.

System action: The server ends the file space deletion process.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0859E  Data storage object erasure failure, DELETE FILESPACE process aborted.

Explanation: The server encounters an error in removing file copies from data storage during file space deletion processing.

System action: The server ends the file space deletion process.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0860E  Expiration process process ID terminated due to internal error: examined number of objects objects, deleting number of backup objects backup objects, number of archive objects archive objects, number of DB backup volumes DB backup volumes, and number of recovery plan files recovery plan files. retry count objects were retried and error count errors were encountered.

Explanation: The server encounters an internal error during file expiration processing. The number of files examined and deleted prior to the error are reported. A total error count is also displayed.

System action: The server ends the expiration process.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0861E  Transaction failed in expiration, inventory expiration aborted.

Explanation: The server encounters a database transaction failure during policy roll-off processing.
System action: The server ends roll-off processing.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0862E    Expiration processing suspended - insufficient memory.
Explanation: The server ends policy roll-off processing because sufficient server memory is not available.
System action: The server ends policy roll-off processing and server operation continues.
User response: See the documentation for the operating system about how to increase memory for an application.

ANR0863E    Expiration processing suspended - insufficient DB space.
Explanation: The server ends policy roll-off processing because sufficient server database space is not available.
System action: The server ends policy roll-off processing and server operation continues.
User response: To increase the amount of database space available to the server, an authorized administrator can add database volumes by using the DEFINE DBVOLUME command and can extend the size of the database using the EXTEND DB command.

ANR0864E    Expiration processing suspended - insufficient LOG space.
Explanation: The server ends policy roll-off processing because sufficient server log space is not available.
System action: The server ends policy roll-off processing and server operation continues.
User response: To increase the amount of log space available to the server, an authorized administrator can add log volumes by using the DEFINE LOGVOLUME command and can extend the size of the log by using the EXTEND LOG command.

ANR0865E    Expiration processing failed - internal server error.
Explanation: Server retry processing during policy roll-off fails.
System action: The server ends policy roll-off processing.
User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the server is out of database space, issue the DEFINE DBVOLUME and EXTEND DB commands to add volumes to the server database and extend the database size.

If the server is out of log space, issue the DEFINE LOGVOLUME and EXTEND LOG commands to add volumes to the server log and extend the log size.

If the server is low on memory, do the following:
See the documentation for the operating system about how to increase memory for an application.
If the error cannot be isolated and resolved, contact your service representative.

ANR0866E    Expiration processing retries failed - no success after maximum retries retries.
Explanation: Server policy roll-off processing ends because retry processing has not been successful in expiring client file copies from the server database.
System action: The server ends policy roll-off processing and server operation continues.
User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages.

If the server is out of database space, issue the DEFINE DBVOLUME and EXTEND DB commands to add volumes to the server database and extend the database size.

If the server is out of log space, issue the DEFINE LOGVOLUME and EXTEND LOG commands to add volumes to the server log and extend the log size.

If the server is low on memory, do the following:
See the documentation for the operating system about how to increase memory for an application.
If the error cannot be isolated and resolved, contact your service representative.

ANR0867E    Unable to open policy domain for node node name during server operation.
Explanation: Policy roll-off processing on the server encounters an error while obtaining policy information related to the specified node.
System action: The server ends roll-off processing and server operation continues.
User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.
ANR0868E Cannot find management class name for ID management class ID.

Explanation: Policy roll-off processing on the server encounters an error while obtaining policy information.

System action: The server ends roll-off processing and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0869E Cannot find policy domain for node node ID.

Explanation: Policy roll-off processing on the server encounters an error while obtaining policy information related to the specified node.

System action: The server ends roll-off processing and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0870E Cannot find node name for node node ID.

Explanation: Policy roll-off processing on the server encounters a database error in obtaining information for a client node.

System action: The server ends roll-off processing and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0871E Cannot find file space name for node node ID, file space file space ID.

Explanation: Policy roll-off processing on the server encounters a database error in obtaining information for a client node.

System action: The server ends roll-off processing and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0872E Grace Period retention for domain domain name could not be obtained.

Explanation: Policy roll-off processing on the server encounters a database error in obtaining GRACE PERIOD values for the specified policy domain.

System action: The server ends roll-off processing and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0873E Invalid copy type encountered in expiring files: copytype ID

Explanation: Policy roll-off processing on the server encounters a database error in obtaining copy group information.

System action: The server ends roll-off processing and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0874E Backup object object not found during inventory processing.

Explanation: Inventory processing on the server encounters a database error in obtaining backup information in data storage.

System action: The server ends roll-off processing, or client session(s) and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0875E Archive object object-ID not found during expiration processing.

Explanation: Policy roll-off processing on the server encounters a database error in obtaining archive information in data storage.

System action: The server ends roll-off processing and server operation continues.
ANR0876E  Data storage erasure failed during expiration processing.

Explanation: Policy roll-off processing on the server encounters a database error while deleting information from data storage.

System action: The server ends roll-off processing and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0877E  Copy type not backup for object object.ID.

Explanation: Policy roll-off processing on the server encounters a database error in accessing inventory information.

System action: The server ends roll-off processing and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0878E  Entry for backup object object.ID not found.

Explanation: Policy roll-off processing on the server encounters a database error in accessing inventory information.

System action: The server ends roll-off processing and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0879E  Error opening inventory file space query.

Explanation: Policy roll-off processing on the server encounters a database error in accessing inventory information.

System action: The server ends roll-off processing and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR0880E  Filespace command: No matching file spaces.

Explanation: The server did not find any file space names matching the specifications entered in the filespace command.

System action: Server operation continues.

User response: Use the QUERY FILESPACE command to determine which file spaces are defined on the server. Note, that file space names are case sensitive. Reissue the file space command and specify the proper file space name (in proper case).

ANR0881E  Policy Error: the GRACE PERIOD archive retention value could not be obtained for domain domain ID during client inventory processing.

Explanation: The server encounters an internal error in accessing policy information.

System action: The operation is ended and server operation continues.

User response: Contact your service representative.

ANR0882E  Policy Error: Unable to open policy domain for node node name during client inventory query processing.

Explanation: The server encounters an internal error in accessing policy information.

System action: The client operation is ended and server operation continues.

User response: Contact your service representative.

ANR0883E  Cannot obtain node name for node node ID.

Explanation: The server encounters an internal error in accessing client node information.

System action: The operation is ended and server operation continues.

User response: Contact your service representative.
ANR0884E  Error code during deletion of sorting information for number objects.

Explanation: A background server process encountered an internal error after deleting sorting information for number files from the server database. This process is started during initialization to remove any sorting information which is left over from previous export operations.

System action: The backup or archive objects were not deleted. Only the information used to sort these objects during the previous export operation was deleted. The background process was terminated before all sorting information had been deleted. The system will not perform further export processing of file data until this problem has been resolved.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. Then restart the server. If the error cannot be isolated and resolved, contact your service representative.

ANR0885I  Import command: Processing management class name for domain domain name and policy set policy set name as management class new management class name.

Explanation: The background import process to service the command import command is currently processing the policy information for management class management class name in domain domain name and policy set policy set name. The management class is imported under the name new management class name. During import processing, management classes defined as either DEFAULT or GRACE_PERIOD must be renamed so that the management class does not conflict with existing server policy conventions. Import processing is then able to import file data by using the renamed management class.

System action: Import processing for the command continues.

User response: None. However, an administrator may want to examine the policy definitions for new management class name so they are aware of the management classes that may be used if the policy set containing this management class is activated.

ANR0886E  Management class name in domain domain name used by node node name in file space filesystem name has no BACKUP copy group with id copy group id; Expiration will not be performed for files from this node and filesystem that are bound to this management class and copy group id.

Explanation: During policy roll-off processing, the server finds a client file copy with a management class or a backup copy group that no longer exists.

System action: The server skips the files in error.

User response: For programming support, contact your service representative.

ANR0887E  Management class class name in domain domain name used by node node name in file space filesystem name has no archive copy group with id copy group id. Server operation will not be performed for files from this node and filesystem that are bound to this management class and copy group id.

Explanation: During policy roll-off processing, the server finds a client file copy with a management class or an archive copy group that no longer exists.

System action: The server skips the specified files.

User response: For programming support, contact your service representative.

ANR0888E  SQL commands cannot be issued from the server console.

Explanation: An SQL command was issued from the server console. SQL commands cannot be issued from the server console because they may require a long time complete and the server console should be available to control other server functions.

System action: The server ignores the command and continues processing.

User response: Issue the SQL command from an administrative client.

ANR0889E  The server is not licensed for Central Administration functions. This includes the ability to issue SQL commands.

Explanation: An SQL command was issued but the server is not licensed to support Central Administrative functions, including SQL query support.

System action: The server ignores the command and continues processing.

User response: If you have purchased the Central Administration license, use the REGISTER LICENSE command to enable the license on the server. If you have not purchased the license and wish to do so, contact your service representative.

ANR0890I  Export/import command: Processing optionset optionset name.

Explanation: The background export or import process to service the command export/import command is currently processing optionset definition information.
ANR0891I  Export command: Copied number optionset definitions.

Explanation: The background export or import process to service the command export/import command copies number client optionset definitions from the server database to export media or from export media into the server database. Data is not moved if Preview=Yes is specified in the command export/import command.

System action: Export or import processing for the command continues.

User response: None.

ANR0892I  Export command: No matching optionsets found for exporting.

Explanation: The background export process does not find any client optionsets for export command.

System action: Export or import processing for the command completes. Server operation continues.

User response: None.

ANR0893I  Are you sure that you want to accept the current system date as valid?

Explanation: This message is displayed when the ACCEPT DATE command has been issued to confirm that you want to accept the date on the system as valid. Accepting an invalid date can cause any of the following problems: premature deletion of data, excessive retention of data, scheduling problems, event record problems, password expiration problems.

System action: The command waits for you to confirm the action.

User response: Specify Yes if you want to accept the system date as valid, or No if you do not want to execute the command.

ANR0894I  Current system has been accepted as valid.

Explanation: This message is displayed when the ACCEPT DATE command has been issued and the date has been accepted as valid by the server.

System action: The current system date is accepted as valid by the server. The server will begin processing using the current system date.

User response: Issue the ENABLE SESSIONS ALL command to allow client, server, and administrative sessions to start.

ANR0895I  Command: Cannot Start process name Process.

Explanation: The indicated process cannot be started on the server.

System action: The specified command is ended and server processing continues.

User response: This usually indicates that sufficient server memory is not available on the server. See the documentation for the operating system about how to increase memory for an application.

ANR0900I  Processing options file filespec.

Explanation: At server initialization, the server is reading the server options file whose name is shown in the message.

System action: The server reads and processes the options in this file.

User response: None.

ANR0901I  Invalid option statement found in file filespec.

Explanation: While processing the server options file named, the server has encountered an invalid statement. The invalid statement type is shown in the message. The lines following this message provide more information.

System action: The server ignores the statement in error. Server initialization continues. The default value is used for any missing or ignored options.

User response: Ignore the error, or use a text editor to correct the error and restart the server.

ANR0902I  Unsupported keyword found in file filespec.

Explanation: While processing the server options file named, the server has encountered an invalid keyword on an option statement. The lines following this message provide more information.

System action: The server ignores the option statement in error. Server initialization continues. The default value is used for any missing or ignored options.

User response: Ignore the error, or use a text editor to correct the error and restart the server.

ANR0903I  Excessive option statement found in file filespec.

Explanation: While processing the specified server options file, the server has encountered more of the named statement type than can be processed.
System action: The server ignores the extra statement. Server initialization continues.
User response: Ignore the error, or use a text editor to correct the error and restart the server.

ANR0904W Duplicate option statement found in file filespec.
Explanation: While processing the server options file named, the server has encountered a duplicate statement of the type shown.
System action: The server ignores the duplicate statement. Server initialization continues.
User response: Ignore the error, or use a text editor to correct the error and restart the server.

ANR0905W Options file filespec not found.
Explanation: At server initialization, the server is unable to locate the server options file named.
System action: The server uses the default values for all options. Server initialization continues.
User response: If the default values are acceptable, ignore the error. Otherwise, move a valid server options file to the proper location, rename a valid options file to the proper name, or use a text editor to build the proper server options file, and then restart the server.

ANR0909E Insufficient memory to process options file.
Explanation: At server initialization, the server is unable to process the server options file due to insufficient memory.
System action: Server initialization ends.
User response: Restart the server with more memory available. Refer to the Administrator’s Guide for your particular platform.

ANR0910W Archive entries for nodeName are already converted.
Explanation: Archive entries for nodeName have already been converted to the description tables. They will not be converted again.
System action: Server operation continues.
User response: To force the reconversion of the archive entries for nodeName, use the FORCE=Yes option to the CONVERT ARCHIVE command.

ANR0911I Archive conversion processing for node name completed successfully. The description tables have description count descriptions, directory count directories, file count and files and object set count object sets.
Explanation: CONVERT ARCHIVE for the specified node completed successfully. The node can now query for archive objects specifying a non-wildcarded description.
System action: Processing continues.
User response: None.

ANR0912I Undo conversion processing for node node name completed successfully. The node is no longer converted.
Explanation: UNDO ARCHCONVERSION was issued for the specified node. The node will no longer use the archive description tables.
System action: Processing continues.
User response: None.

ANR0913E Archive conversion processing for node node name did not complete (result).
Explanation: Archive conversion for the indicated node did not complete because of the specified result.
System action: Archive conversion ends. Server processing continues.
User response: Check previous messages for error conditions.

ANR0914E Diagnostic(ID): a request failed because object (object name), size (size), exceeds the maximum size of maximum size.
Explanation: The size of the specified object exceeds the maximum size defined for that object. The server cannot handle the new object.
System action: The activity that generated this error fails.
User response: Determine why the new object's length exceeds the maximum specified for the object. Reduce the length of the object.

ANR0915E Unable to open language language name for message formatting.
Explanation: The server is unable to open the specified message repository.
System action: Server initialization continues with the default message repository.
User response: Ensure that a valid language is
specified in the LANGUAGE option of the server options file. If a change is made to the options file, restart the server to activate changes.

User response: None.

ANR0921I  Tracing is now active to file file spec.
Explanation: In response to a TRACE START command, server trace records are being written to the file named.
System action: None.
User response: None.

ANR0921I  Trace ended.
Explanation: In response to a TRACE END command, server trace records are no longer being written.
System action: None.
User response: None.

ANR0923E  Tracing is inactive.
Explanation: A TRACE END command has been entered, but tracing is not active.
System action: The command is ignored.
User response: If tracing is desired, use the TRACE ENABLE and TRACE START commands to activate server tracing.

ANR0924E  Tracing is already active to file file spec.
Explanation: A TRACE BEGIN command has been entered, but tracing is already active to the file named.
System action: The command is ignored.
User response: If the current trace output file is acceptable, no action is required. Otherwise use the TRACE END command to stop tracing and then reissue the TRACE BEGIN command as desired.

ANR0925E  Tracing is already active to standard output.
Explanation: A TRACE BEGIN command has been entered, but tracing is already active to the standard output destination (usually the server console).
System action: The command is ignored.
User response: If the current trace output destination is acceptable, no action is required. Otherwise use the TRACE END command to stop tracing and then reissue the TRACE BEGIN command as desired.

ANR0926E  Missing or invalid TRACE command parameter.
Explanation: The TRACE command issued contains an invalid parameter, or is missing a required parameter.
System action: The command is ignored.
ANR0927E Unknown trace class keyword - **class**.

**Explanation:** A TRACE ENABLE command has been entered which specifies an unknown trace class.

**System action:** The command is ignored.

**User response:** Reissue the TRACE command with the correct class.

ANR0928E Unable to open trace file **file spec** for appending.

**Explanation:** A TRACE BEGIN command specifies an output file, but the server cannot write to that file.

**System action:** The command is ignored.

**User response:** Check the file for proper access permissions, or reissue the TRACE command specifying a different output file.

ANR0929E Insufficient memory to activate tracing.

**Explanation:** A TRACE BEGIN command has been entered, but the server has insufficient memory available to activate tracing.

**System action:** The command is ignored.

**User response:** If tracing is required, make more memory available to the server then restart the server.

ANR0936E Session **session ID** for session **name** failed sending verb **verb name** because client not able to handle extended qualifier attribute.

**Explanation:** A server was going to send the reported verb for the indicated session but was not able to send it. The verb could not be sent to the client because it contains extended information about the low-level qualifier. The extended low-level qualifier is used to store names up to 512 bytes in length. The client that this verb was supposed to be sent to does not support the extended low-level qualifier information.

**System action:** The send of the verb to the reported session fails and this server operation will fail and report a communication error.

**User response:** The client session reported needs to have the installed client upgraded to TSM version 5.1.5 or higher in order to support the extended low-level qualifier.

ANR0937I Expiration process **process ID** is ending.

**Explanation:** The expiration process referenced is ending either because it has been cancelled or because it has completed the necessary actions. This message is only issued in the case where expiration was processing a long-running operation, such as deleting a group of related files (for example, a backup group). This message indicates the time when the long-running operation ended.

**System action:** None.

**User response:** None.

ANR0939E Error **error code** occurred while locating base object (baseId) for subfile (subfileId): Node **node name**, File space **filespace name**, Type **file type**, File name **file name**.

**Explanation:** Export processing did not find the base object for the specified subfile. Export processing does not continue.

**System action:** Export processing stops. Server operation continues.

**User response:** Audit the database to correct the entries.

ANR0940I Cancel request accepted for process **process ID**.

**Explanation:** A CANCEL PROCESS command has been entered for the specified process. Some processes will experience a delay before they terminate. This delay may be lengthy for processes that involve remote data movement.

**System action:** None.

**User response:** None.

ANR0941I Command: Cancel for process **process ID** is already pending.

**Explanation:** A CANCEL PROCESS command has been entered for the specified process, but a cancel is already pending for that process.

**System action:** The server ignores the command.

**User response:** None.

ANR0942E Command: Process **process ID** cannot be found.

**Explanation:** A CANCEL PROCESS command has been entered for the specified process, but the process is not active. Either the process has already ended or the wrong process number has been entered.

**System action:** The server ignores the command.

**User response:** If the wrong process number has been
entered, reissue the command with the correct process number.

**ANR0943E**  
Command: Process process ID could not be canceled.

**Explanation:** A CANCEL PROCESS command has been entered for the specified process, but the process specified is an automatic process, such as migration or reclamation, that cannot be canceled.

**System action:** The server ignores the command.

**User response:** If the process is a REPLICATE NODE process and is on the target server, it cannot be canceled if the process is in progress and the source server is available. The target server monitors communications with the source server. If 5 minutes have expired since the last communications, the target server assumes that the source server is no longer available, and the process is canceled. To view the length of time during which the process has been idle, issue the QUERY PROCESS command and specify the process ID for the replication process.

**ANR0944E**  
Command: No active processes found.

**Explanation:** A QUERY PROCESS command has been entered, and no processes are active.

**System action:** The server ignores the command.

**User response:** None.

**ANR0945W**  
Diagnostic(ID): Transaction transaction ID was aborted for process process ID.

**Explanation:** An error is detected during transaction commit for the specified process. This message should be preceded by other messages that give additional information about the failed transaction.

**System action:** The activity that generated this error fails.

**User response:** Check for additional messages and eliminate the condition that caused the failed transaction. If the error cannot be isolated and resolved, contact your service representative.

**ANR0946E**  
Archive processing fails: Object objId not found.

**Explanation:** Archive processing fails because the specified object was not found. An archive request is completed in stages. The object may have been deleted by an archive delete request, delete filespace or expiration that began and completed between these stages.

**System action:** System processing continues.

**User response:** Check the client log for error and retry messages. Reissue the archive request if the retry failed.

**ANR0947E**  
Error writing to trace file file spec.

**Explanation:** An error occurred while writing to the specified trace file.

**System action:** Trace is disabled.

**User response:** Check the file for proper access permissions, or for the out of space issue for the trace file. Once this is corrected, reissue the TRACE BEGIN command, specifying either the same or a different output file.

**ANR0952W**  
The filespace Filespace name cannot be included in the backup set because it contains encrypted data.

**Explanation:** Data from the filespace cannot be included in the backup set because the filespace contains encrypted data.

**System action:** The filespace is skipped.

**User response:** None.

**ANR0953W**  
Audit command: Redundant encryption keys for the archive object (object.ID) do not match.

**Explanation:** The encryption key stored for the archive object in the Object.Ids table does not match the encryption key stored in the Archive.Objects table. The audit command is not able to determine which key is the correct key.

**System action:** The object's encryption keys are not modified.

**User response:** Contact your service representative.

**ANR0954W**  
Audit command: Redundant encryption keys for the backup object (object.ID) do not match.

**Explanation:** The encryption key stored for the backup object in the Object.Ids table does not match the encryption key stored in the Backup.Objects table. The audit command is not able to determine which key is the correct key.

**System action:** The object's encryption keys are not modified.

**User response:** Contact your service representative.

**ANR0955I**  
DELETE FILESPACE filespace name for node node name failed deletion because of a restartable restore session.

**Explanation:** The reported node and filespace have a restartable restore session active or restartable. A filespace cannot be deleted while the restartable restore session exists.

**System action:** The server process is retried if the
maximum number of retry attempts have not been exceeded.

User response: Use the QUERY RESTORE command to view active and restartable restore sessions for this filespace. Either wait for the sessions to complete or cancel the sessions with the CANCEL RESTORE command, and reissue the DELETE FILESPACE command. To view restartable restore sessions issue the command QUERY RESTORE. Either:
- wait to reissue the DELETE FILESPACE command after this restartable restore has completed
- cancel the restartable restore session with the CANCEL RESTORE command

<table>
<thead>
<tr>
<th>ANR0956I</th>
<th>Audit command: Active version for inactive inventory object (object.ID) does not exist. The expiring object entry must be corrected.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation: A database audit process found an expiring object entry for an inactive inventory object that indicates an active version of the object exists, but the active version does not exist. Because FIX=NO has been specified for the command, the expiring object entry is not corrected.</td>
<td></td>
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<tr>
<td>System action: Audit processing continues.</td>
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<td>User response: None.</td>
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<tr>
<td>Explanation: A database audit process found an expiring object entry for an inactive inventory object that indicates an active version of the object exists, but the active version does not exist. Because FIX=YES has been specified for the command, the expiring object entry will be corrected.</td>
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<td>System action: Audit processing continues.</td>
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<tr>
<td>User response: None.</td>
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<tr>
<th>ANR0958I</th>
<th>CLEANUP BACKUPGROUPS evaluated objectcount group objects, found errorcount errors, and deleted deletel group objects with completion state state.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation: The CLEANUP BACKUPGROUPS utility ended with the presented state.</td>
<td></td>
</tr>
<tr>
<td>System action: Server operation continues.</td>
<td></td>
</tr>
<tr>
<td>User response: None.</td>
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<tr>
<th>ANR0959I</th>
<th>Conversion of grouping table is percent done percent complete.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation: An internal data base table is being converted, and the conversion process is the indicated amount complete.</td>
<td></td>
</tr>
<tr>
<td>System action: Server processing continues.</td>
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<tr>
<td>User response: None.</td>
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<tr>
<th>ANR0960I</th>
<th>Process process ID waiting for mount point in device class device class name.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation: The process whose ID is shown has begun to wait for a mount point that can be used for a volume in the device class shown.</td>
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</tr>
<tr>
<td>System action: The process waits for the mount point.</td>
<td></td>
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<tr>
<td>User response: Respond to any mount requests.</td>
<td></td>
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</tbody>
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<tr>
<th>ANR0961I</th>
<th>Process process ID waiting for multiple mount points in device class device class name.</th>
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</thead>
<tbody>
<tr>
<td>Explanation: The process whose ID is shown has begun to wait for multiple mount points that can be used for a volume in the device class shown.</td>
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<tr>
<td>System action: The process waits for the mount points.</td>
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<td>User response: Respond to any mount requests.</td>
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<th>ANR0962I</th>
<th>Process process ID waiting for mount points in device classes device class name and device class name.</th>
</tr>
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<tr>
<td>Explanation: The process whose ID is shown has begun to wait for mount points that can be used for a volume in the two device classes shown.</td>
<td></td>
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<tr>
<td>System action: The process waits for the mount points.</td>
<td></td>
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<tr>
<td>User response: Respond to any mount requests.</td>
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<tr>
<th>ANR0963I</th>
<th>Process process ID waiting for mount of input volume volume name.</th>
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<tr>
<td>Explanation: The process whose ID is shown has begun to wait for the mount of the input volume shown.</td>
<td></td>
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<tr>
<td>System action: The process waits for the mount.</td>
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<td>User response: Respond to any mount requests.</td>
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<th>ANR0964I</th>
<th>Process process ID waiting for mount of output volume volume name.</th>
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<td>Explanation: The process whose ID is shown has begun to wait for the mount of the output volume shown.</td>
<td></td>
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</table>
System action: The process waits for the mount.
User response: Respond to any mount requests.

ANR0965I Process process ID waiting for mount of scratch volume.
Explanation: The process whose ID is shown has begun to wait for the mount of a scratch volume.
System action: The process waits for the mount.
User response: Respond to any mount requests.

ANR0966I Process process ID waiting for access to input volume volume name.
Explanation: The process whose ID is shown has begun to wait for availability of the input volume shown.
System action: The process waits for the volume to become available.
User response: None.

ANR0967I Process process ID waiting for access to output volume volume name.
Explanation: The process whose ID is shown has begun to wait for availability of the output volume shown.
System action: The process waits for the volume to become available.
User response: None.

ANR0969E The server database must be formatted and loaded or restored before the server can be started.
Explanation: The server has been restarted after toleration of a zero bit mismatch error. In order to start the server, you must recover the database with a DSMSERV FORMAT command. Perform one of the following procedures. Either do these steps:
1. Format the volumes using DSMSERV FORMAT
2. Restore the database using DSMSERV RESTORE DB
Or do these steps:
1. Unload the database using DSMSERV UNLOADDB
2. Format the volumes using DSMSERV FORMAT
3. Load the database using DSMSERV LOADDB
Note: Do not use DSMSERV DUMPDB on the database for this recovery.
System action: Server initialization stops.
User response: Perform one of the database recovery actions.

ANR0980E The server database must be audited with FIX=YES before the server can be started.
Explanation: The server has been restarted after a DSMSERV LOADDB command processed a database image that was known to have inconsistencies. In order to bring the database back to a consistent state, you must run the AUDITDB command.
System action: Server initialization stops.
User response: Issue the DSMSERV AUDITDB FIX=YES command. For complete details on this command, refer to the Administrator's Reference.

ANR0981E The server database must be restored before the server can be started.
Explanation: This message is issued in one of two cases: 1) The server has been restarted after an incomplete RESTORE DB. In order to start the server, you must restore the database to a consistent state using the DSMSERV RESTORE DB command; 2) During server operation, an error condition occurred such that the TSM server cannot continue. This message is issued, and the server halts. Before you can start the server again, you need to use the DSMSERV RESTORE DB command to restore the database.
System action: Server initialization stops, or the server stops.
User response: If there are other messages issued with this error message which have instructions associated with them, follow the instructions in those messages. Then issue the DSMSERV RESTORE DB command. For complete details on this command, refer to the Administrator's Reference. After the DSMSERV RESTORE DB command completes successfully, restart the TSM server.

ANR0982E The server database must be initialized before the database can be loaded.
Explanation: The server database must be initialized before it can be loaded with the LOADDB parameter, by issuing the DSMSERV LOADFORMAT command. The server database is not currently in the initialized state.
System action: Server LOADDB processing stops.
User response: Issue the DSMSERV LOADFORMAT command. For complete details on this command, refer to the Administrator's Reference.
ANR0983W  The server database was recorded by a down-level version of the server program. The UPGRADEDB parameter is required to start the server and automatically upgrade the database contents to the current server version. Please refer to installation instructions for precautionary backup procedures prior to doing this.

Explanation:  At server startup, the server has discovered that the database information was written by an earlier version of the server program and is not compatible with this version. To automatically upgrade the server database to this version of the server program, the UPGRADEDB parameter must be specified when starting the server.

System action:  The server ends.

User response:  Refer to installation instructions for specific information on precautionary measures that you may want to take to back up the database prior to upgrading it to the current server level. After you have taken these measures, start the server and specify the UPGRADEDB parameter. This parameter only needs to be specified once to start the server, and should NOT be included in any automated programs that start the server.

ANR0984I  Process process ID for process name started in the process state at process start time.

Explanation:  The process whose ID is shown has been started for the process indicated by the process name running in the indicated state.

System action:  None.

User response:  None.

ANR0985I  Process process ID for process name running in the process state completed with completion state completion state at process start time.

Explanation:  A completion state of FAILURE indicates that the operation encountered an error condition or terminated before completion. A completion state of SUCCESS indicates that the operation ran to completion, but in some situations may have encountered and reported conditions that would affect the outcome of the operation.

System action:  None.

User response:  If the completion state is FAILURE, then review the activity log and the event log to try to determine the cause of the failure. If the completion state is SUCCESS, the activity log and the event log can still be checked for warning messages regarding conditions that could have affected the operation.

ANR0986I  Process process ID for process name running in the process state processed items processed items for a total of bytes processed bytes with a completion state of completion state at process start time.

Explanation:  A completion state of FAILURE indicates that the operation encountered an error condition or terminated before completion. A completion state of SUCCESS indicates that the operation ran to completion, but in some situations may have encountered and reported conditions that would affect the outcome of the operation.

System action:  None.

User response:  If the completion state is FAILURE, then review the activity log and the event log to try to determine the cause of the failure. If the completion state is SUCCESS, the activity log and the event log can still be checked for warning messages regarding conditions that could have affected the operation.

ANR0987I  Process process ID for process name running in the process state processed items processed items with a completion state of completion state at process start time.

Explanation:  A completion state of FAILURE indicates that the operation encountered an error condition or terminated before completion. A completion state of SUCCESS indicates that the operation ran to completion, but in some situations may have encountered and reported conditions that would affect the outcome of the operation.

System action:  None.

User response:  If the completion state is FAILURE, then review the activity log and the event log to try to determine the cause of the failure. If the completion state is SUCCESS, the activity log and the event log can still be checked for warning messages regarding conditions that could have affected the operation.
determine the cause of the failure. If the completion state is SUCCESS, the activity log and the event log can still be checked for warning messages regarding conditions that could have affected the operation.

ANR0989E  The server database must be inserted or restored before the server can be started.

Explanation: The server is restarted after the LOADFORMAT command is run. To start the server, you must upgrade the database by issuing DSMSERV INSERTDB or else the database needs to be restored using the DSMSERV RESTORE DB command.

System action: Server initialization stops.

User response: Issue the DSMSERV INSERTDB or DSMSERV RESTORE DB command. For complete details on these commands, refer to the Administrator’s Reference. Alternatively, the server can be installed using the DSMSERV FORMAT command in order to prepare it for regular use without needing to upgrade an earlier version server with the DSMSERV INSERTDB command or restoring the database with the DSMSERV RESTORE DB command.

ANR0990I  Server restart-recovery in progress.

Explanation: The server has been restarted after a halt or system failure. If necessary, the server performs recovery processing in order to bring the system back to a consistent state.

System action: Server initialization continues.

User response: None.

ANR0991I  Server shutdown complete.

Explanation: In response to a HALT command, the server or storage agent has completed its termination processing.

System action: The server or storage agent ends.

User response: None.

ANR0992I  Server’s database formatting complete.

Explanation: The server formatting procedure has completed successfully. The server is now available for normal operation.

System action: Server completes formatting processing.

User response: None.

ANR0993I  Server initialization complete.

Explanation: The server has been restarted after a halt or system failure. It is now ready to resume normal operation.

System action: Server completes initialization.

User response: None.

ANR0994W  This server has not been properly installed.

Explanation: The server was started for normal operation, but had not yet been installed.

System action: The server ends.

User response: Install the server properly before starting it.

ANR0995W  This version of the server program is down-level with respect to the information recorded on disk; a newer version of the program should be used.

Explanation: At server startup, the server has discovered that the disk information was written by a later version of the server program. This version of the server program should not be used.

System action: The server ends.

User response: Start a version of the server program that is at the same level as the prior server program used.

ANR0996W  The information on disk was recorded by a down-level version of the server program; reinstallation is required to use this version.

Explanation: At server startup, the server has discovered that the disk information was written by an earlier version of the server program and is not compatible with this version.

System action: The server ends.

User response: Install this version of the server to bring the information up to the level of the program being used.

ANR1000I  Migration process process ID started for storage pool storage pool name automatically or manually, highMig=highMig value, lowMig=lowMig value, duration=duration.

Explanation: Because the high migration threshold for the storage pool shown has been exceeded, a process has been started to migrate files from the storage pool. Note: a duration value of No means that the duration is not specified and hence the migration runs without duration.

System action: Data is moved from this storage pool to the next (target) pool.

User response: None.
ANR1001I Migration process process ID ended for storage pool storage pool name.

Explanation: A migration process for the named storage pool ends. This action can occur because the low migration threshold for the storage pool has been reached, there are no more nodes with files to be migrated, there are no more volumes to be migrated, or the duration specified has been reached.

System action: None.
User response: None.

ANR1002I Migration for storage pool storage pool name will be retried in number of seconds seconds.

Explanation: Because of a problem encountered attempting migration for the named storage pool, migration is delayed but will be retried after the time period shown.

System action: The server waits for the specified period and then retries migration for the storage pool. This delay applies to a single migration process. After a number of unsuccessful retries, the server will automatically cancel the process. If other migration processes are executing for the named storage pool, these processes will continue migration.

User response: If possible, correct the condition that has caused delayed migration.

ANR1003I Migration retry delay ended; checking migration status for storage pool storage pool name.

Explanation: Because migration for the indicated storage pool had been delayed due to a problem, the system waited before retrying. The retry wait period has ended, and the system will now retry migration.

System action: Migration processing for the storage pool resumes.
User response: None.

ANR1004I Server formatting complete, database ready for loading.

Explanation: The server formatting procedure has completed successfully. The server is ready to be loaded by issuing the DSMSERV LOADDB or the DSMSERV RESTORE DB command.

System action: Server completes formatting processing.
User response: The DSMSERV LOADDB or the DSMSERV RESTORE DB command is required to load the database before the server will be ready for use. For complete details on these commands, refer to the Administrator’s Reference.

ANR1013I During a store operation, the server is switching to a next pool in the storage hierarchy. The next storage pool will inherit the simultaneous write configuration from the destination primary storage pool.

Explanation: If during a backup, archive, client migration, or server import operation, the server must write data to a next pool in a storage pool hierarchy, the following rules will apply:

1. If the destination storage pool specified in the management class copy group has one or more copy storage pools associated with it for simultaneous write operations:
   a. The server will write the data to the next storage pool and to the copy pools that are associated with the original destination primary storage pool.
   b. The setting of the COPYCONTINUE attribute of the original destination primary pool will be inherited by the next pool.
   c. If the next pool is configured for simultaneous write operations, the copy storage pools associated with the next pool will be ignored as well as the value of its COPYCONTINUE attribute.

2. If the primary storage pool specified in the management class copy group does not have copy pools associated with it for simultaneous write operations:
   a. The server will write the data to the next storage pool.
   b. If the next pool is configured for simultaneous write operations, the copy pools associated with the next pool will be ignored.

System action: The server operation continues.
User response: None. Refer to the Administrator’s Guide for details about simultaneous write configurations.

ANR1014W The pool type storage pool pool name is either not available, or does not have enough space for a simultaneous write operation.

Explanation: During a backup, archive, client migration, or import operation that is using simultaneous write, the server cannot write data to the specified storage pool. Possible reasons include:

- The storage pool is unavailable.
- There is not enough space available in the specified storage pool.

System action: The result of the simultaneous write operation depends on the setting of the COPYCONTINUE attribute of the original destination primary pool destination:
• If the value of the COPYCONTINUE attribute of the destination primary pool is YES, the server will stop writing to the failing copy pool for the remainder of the session, but continue storing files into a primary pool in the storage hierarchy and any other remaining copy pools.

• If the value of the COPYCONTINUE attribute of the destination primary pool is NO, the server will fail the transaction and discontinue the operation.

Refer to the Administrator's Guide for details about the simultaneous write COPYCONTINUE attribute.

User response: Ensure the copy storage pool is set for READWRITE access. If needed, make more space available in the copy storage pool. After the problem is corrected, take one of the following actions:

• If the value of the COPYCONTINUE attribute of the destination primary pool is YES, issue the BACKUP STGPPOOL commands to back up any files in primary storage pools in the storage pool hierarchy that have not been copied to the copy pool that failed.

• If the value of the COPYCONTINUE attribute of the destination primary pool is NO, run the simultaneous write operation again.

ANR1015I  Storage pool pool name has pending bytes duplicate bytes pending removal.

Explanation: The number of bytes indicated have been identified as duplicate bytes in the storage pool, but the volumes on which the data resides have not yet been reclaimed.

System action: None
User response: None

ANR1016W Fibre Channel adapters on the system cannot be opened.

Explanation: Due to problems with the HBAAPI or Fibre Channel HBA driver, the HBAAPI function cannot open any Fibre Channel host bus adapters (HBAs) on the system.

System action: None.
User response: The Tivoli Storage Manager SAN discovery function is not working. Check your Fibre Channel host bus adapter (HBA) vendor and upgrade your HBAAPI or Fibre Channel HBA driver version. For a list of supported HBAs and required driver levels by operating system, go to http://WWW.IBM.COM/SUPPORT and search for "supported HBAs".

ANR1018I Volume deduplication process process ID started for storage pool storage pool name, identify processes=number of identify processes.

Explanation: A volume deduplication process was started for the storage pool shown.

System action: None.
User response: None.

ANR1019W Unable to get the node attributes for node name.

Explanation: The HBAAPI function cannot obtain the node's attributes. Removing devices from the SAN without reconfiguring the system can cause this problem.

System action: None.
User response: SAN discovery is not working for this device. Check the device configuration on the system.

ANR1020W Migration process process ID terminated for storage pool storage pool name - process canceled.

Explanation: During migration for the indicated storage pool, a process performing the migration has been canceled.

System action: The migration process is terminated. If other migration processes are executing for the named storage pool, these processes will continue migration.
User response: None.

ANR1021W Migration process process ID terminated for storage pool storage pool name - storage media inaccessible.

Explanation: During migration for the indicated storage pool, a required volume could not be mounted.

System action: The indicated migration process ends. The server waits for the retry period to expire and then tries the migration again. If other migration processes are executing for the named storage pool, these processes will continue migration.
User response: One possible cause for this failure is that the access state for the target volume or storage pool for this operation is not set to READWRITE. Check the access state for the requested output volume and storage pool and ensure they are set to ACCESS=READWRITE.

ANR1022W Migration process process ID terminated for storage pool storage pool name - excessive read errors encountered.

Explanation: During migration for the indicated storage pool, read errors occur that prevented the migration from continuing.

System action: The indicated migration process ends. The server waits for the retry period to expire and then tries the migration again. If other migration processes are executing for the named storage pool, these
processes will continue migration.

**User response:** If possible, correct the cause of the read errors.

**ANR1023W**  Migration process process ID terminated for storage pool storage pool name - excessive write errors encountered.

**Explanation:** During migration for the indicated storage pool, write errors occur that prevent the migration from continuing.

**System action:** The indicated migration process ends. The server waits for the retry period to expire and then tries the migration again. If other migration processes are executing for the named storage pool, these processes will continue migration.

**User response:** If possible, correct the cause of the write errors.

**ANR1024W**  Migration process process ID terminated for storage pool storage pool name - data transfer interrupted.

**Explanation:** During migration for the indicated storage pool, a data transfer operation was interrupted and could not be continued.

**System action:** The indicated migration process ends. The server waits for the retry period to expire and then tries the migration again. If other migration processes are executing for the named storage pool, these processes will continue migration.

**User response:** If possible, correct the cause of the interruption.

**ANR1025W**  Migration process process ID terminated for storage pool storage pool name - insufficient space in subordinate storage pool.

**Explanation:** During migration for the indicated storage pool, the server cannot move the data from the storage pool, because there is not enough space on the next storage pool to hold it.

**System action:** The indicated migration process ends. The server waits for the retry period to expire and then tries the migration again.

**User response:** Make more space available in the next storage pool, or use the UPDATE STGPOOL command to change the next storage pool to one with more space.

**ANR1026W**  Migration process process ID terminated for storage pool storage pool name - unable to move file to subordinate storage pool due to exclusion by size.

**Explanation:** During migration for the indicated storage pool, the server cannot move the data from the storage pool, because a file is larger than what is allowed on the next storage pool.

**System action:** The indicated migration process ends. The server waits for the retry period to expire and then tries the migration again. If other migration processes are executing for the named storage pool, these processes will continue migration.

**User response:** Use the UPDATE STGPOOL command to change the next storage pool maximum file size or to change the next storage pool target.

**ANR1027W**  Migration process process ID terminated for storage pool storage pool name - sufficient recovery log space is not available.

**Explanation:** During migration for the indicated storage pool, the server runs out of recovery log space.

**System action:** The indicated migration process ends. The server waits for the retry period to expire and then tries the migration again.

**User response:** If necessary, make more server recovery log space available.

**ANR1028W**  Migration process process ID terminated for storage pool storage pool name - sufficient database space is not available.

**Explanation:** During migration for the indicated storage pool, the server runs out of database space.

**System action:** The indicated migration process ends. The server waits for the retry period to expire and then tries the migration again.

**User response:** If necessary, make more server database space available.

**ANR1029W**  Migration process process ID terminated for storage pool storage pool name - lock conflict.

**Explanation:** During migration for the indicated storage pool, the server needs to obtain a lock that is not available.

**System action:** The indicated migration process ends. The server waits for the retry period to expire and then tries the migration again. If other migration processes are executing for the named storage pool, these processes will continue migration.

**User response:** Wait for the server to retry the migration.
ANR1030W  Migration process process ID terminated for storage pool storage pool name - thread resource not available.

Explanation: During migration for the indicated storage pool, the server cannot start a thread for the migration process.

System action: The indicated migration process ends.
The server waits for the retry period to expire and then tries the migration again. If other migration processes are executing for the named storage pool, these processes will continue migration.

User response: Wait for the server to retry the migration. If the error persists, it may indicate a shortage of server memory.

ANR1031W  Migration process process ID terminated for storage pool storage pool name - sufficient memory is not available.

Explanation: During migration for the indicated storage pool, there is not enough server memory available.

System action: The indicated migration process ends.
The server waits for the retry period to expire and then tries the migration again.

User response: If necessary, make more memory available to the server.

ANR1032W  Migration process process ID terminated for storage pool storage pool name - internal server error detected.

Explanation: During migration for the indicated storage pool, the server encounters an internal error.

System action: The indicated migration process ends.
The server waits for the retry period to expire and then tries the migration again. If other migration processes are executing for the named storage pool, these processes will continue migration.

User response: Contact your service representative.

ANR1033W  Migration process process ID terminated for storage pool storage pool name - transaction aborted.

Explanation: During migration for the indicated storage pool, the server detected an error while attempting to commit a transaction. This message should be preceded by other messages that give additional information about the failed transaction.

System action: The indicated migration process ends.
The server waits for the retry period to expire and then tries the migration again. If other migration processes are executing for the named storage pool, these processes will continue migration.

User response: Check for additional messages and eliminate the condition that caused the failed transaction.

ANR1034W  Files stored on volume volume name cannot be migrated - volume is offline or access mode is "unavailable" or "destroyed".

Explanation: During migration, files on the indicated volume cannot be migrated either because the volume has been varied offline or because of the volume's access mode.

System action: The server continues migration processing, but skips files stored on the indicated volume.

User response: If necessary, use the VARY ON or UPDATE VOLUME command for this volume.

ANR1040I  Space reclamation started for volume volume name, storage pool storage pool name (process number process ID).

Explanation: The percentage of reclaimable space on the volume shown has reached the reclaim percentage specified for the storage group; as a result, data from the volume is moved to another volume so that the volume can be reclaimed.

System action: The server starts volume space reclamation.

User response: None.

ANR1041I  Space reclamation ended for volume volume name.

Explanation: Space reclamation for the volume named is complete.

System action: None.

User response: None.

ANR1042I  Space reclamation for storage pool storage pool name will be retried in number of seconds seconds.

Explanation: Because of a problem encountered attempting space reclamation for the named storage pool, reclamation stops but will be retried after the time period shown. After a number of unsuccessful retries, the process will be automatically cancelled.

System action: The system waits for the specified period and then retries space reclamation for the storage pool.

User response: If possible, correct the condition that has stopped reclamation.
ANR1043I  Space reclamation retry delay ended; checking volume reclamation status for storage pool storage pool name.

Explanation: Because space reclamation for the indicated storage pool had been stopped due to a problem, the system waited before retrying. The retry wait period has ended, and the system can now retry space reclamation.

System action: Reclamation for the pool begins.

User response: None.

ANR1044I  Removable volume volume name is required for space reclamation.

Explanation: During space reclamation processing, the server determines that a removable volume is required in order to complete processing.

System action: The server attempts to mount the removable volume.

User response: Respond to any mount request for the indicated volume.

ANR1045E  Reclamation has ended for volume volume name. The files on the volume are too large for the target storage pool, storage pool name.

Explanation: During reclamation for the indicated volume, the server cannot move the data from the volume because a file is larger than allowed for the indicated storage pool.

System action: Reclamation of the volume stops. If other reclamation processes are running, these processes will continue the reclamation.

User response: Use the UPDATE STGPOOL command to change the value of the MAXSIZE parameter for the storage pool. Specify the value as NOLIMIT, or specify a value larger than the largest file to be reclaimed.

ANR1047E  command: Database upgrade not currently supported for this server because it uses NAS backups with TOCs.

Explanation: The current version of the TSM 6.1 server does not support NAS backups that use a table of contents (TOC). However, the server being upgraded uses TOCs, and so cannot be upgraded at this time. Note that this is a temporary limitation that will be lifted in a future TSM 6.1 Server Fix Pack.

System action: The command ends without inserting any data into the database.

User response: Rerun the command using a version of the TSM 6.1 server that supports NAS backups with TOCs.

ANR1048E  command: Protocol error - out-of-sequence verb (type verb name) received.

Explanation: The server detects a protocol error while upgrading the database because a verb has been received that does not adhere to the defined verb sequence. This error may be the result of using a version of the DSMUPGRD utility that is not compatible with the TSM 6.1 version to which you are upgrading.

System action: The command ends without inserting any data into the database.

User response: Rerun the command using a version of the server compatible with the version of DSMUPGRD used to extract the data. Or reextract the data using an older version of DSMUPGRD that is compatible with the version of the server.

ANR1049W  The server is unable to obtain number-formatting information from the system-locale attributes. The server substitutes alternate number format nmbrFmt.

Explanation: The server is unable to format some numbers because it is unable to obtain a valid thousand and decimal separator value from the system locale.

System action: The command continues. An alternate number format is used. Numbers are displayed using a comma character as the thousand separator and a period character as the decimal separator.

User response: Check whether errors occurred during server initialization that might indicate a problem initializing the locale. Check whether the server is running in a locale supported by the server. If it is not, restart the server in a supported locale.
ANR1053E  Command: Invalid process number - processIdvalue
Explanation:  A QUERY EXPORT command was issued that specifies an invalid process number.
System action:  The server does not process the command.
User response:  Reissue the command with a valid process number.

ANR1054E  Command: Invalid export operation state - export state
Explanation:  A QUERY EXPORT command was issued that specifies an invalid export state.
System action:  The server does not process the command.
User response:  Reissue the command with a valid export operation state.

ANR1055E  Command: Invalid export session identifier name - export sess name.
Explanation:  The issued command specifies an invalid export session identifier.
System action:  The server does not process the command.
User response:  Reissue the command with a valid export session identifier.

ANR1056E  command name: The PROCESS parameter is not valid if an export identifier is specified.
Explanation:  The command failed because of an invalid combination of arguments.
System action:  The command fails and server operations continue.
User response:  Reissue the command with a valid set of parameters. For information on valid values for the command parameter, refer to the Administrator’s Reference for your particular platform.

ANR1057E  command name: The PROCESS parameter is not valid when the STATE parameter is specified with a value of INITIALIZING or SUSPENDED
Explanation:  The command failed because of an invalid combination of arguments.
System action:  The command fails and server operations continue.
User response:  Reissue the command with a valid set of parameters. For information on valid values for the command parameter, refer to the Administrator’s Reference for your particular platform.

ANR1058E  command name: TODATE must be specified when TOTIME is specified.
Explanation:  A command supporting the TODATE and TOTIME parameters was issued with the TOTIME parameter specified but without the TODATE parameter. When the TOTIME parameter is used, the TODATE parameter must be specified.
System action:  The server ignores the command and continues processing.
User response:  Reissue the command and specify both the TODATE and TOTIME parameters.

ANR1059I  Selective restore of NAS node nodename, file system file system, started as process process ID by administrator administrator. Specified files and/or directory trees will be restored to destination destination.
Explanation:  A restore is started for the indicated file system of a NAS node. The operation is initiated by the administrator shown. Selected files and/or directory trees specified by the administrator will be restored to the indicated destination.
System action:  The indicated process is started.
User response:  None.

ANR1060W  Error initiating space reclamation for storage pool storage pool name - lock conflict.
Explanation:  While attempting to initiate space reclamation for the indicated storage pool, the server needs to obtain a lock that is not available.
System action:  Space reclamation stops. The server waits for the retry period to expire and then tries the reclamation again.
User response:  Wait for the server to retry the reclamation.

ANR1061W  Error initiating space reclamation for storage pool storage pool name - sufficient memory is not available.
Explanation:  During an attempt to initiate space reclamation for the indicated storage pool, there is not enough server memory available.
System action:  Space reclamation stops. The server waits for the retry period to expire and then tries the reclamation again.
User response:  If necessary, make more memory available to the server.
ANR1062W  Error initiating space reclamation for storage pool storage pool name - internal server error detected.

Explanation: During an attempt to initiate space reclamation for the indicated storage pool, an internal server error is encountered.

System action: Space reclamation stops. The server will wait for the retry period to expire and then tries the reclamation again.

User response: Contact your service representative.

ANR1063I  Full backup of NAS node nodename, file system file system, started as process process ID by administrator administrator.

Explanation: A full backup is started for the indicated file system of a NAS node. The operation is initiated by the administrator shown.

System action: The indicated process is started.

User response: None.

ANR1064I  Differential backup of NAS node nodename, file system file system, started as process process ID by administrator administrator.

Explanation: A differential backup is started for the indicated file system of a NAS node. Only files that have changed since the last full backup will be processed. The operation is initiated by the administrator shown.

System action: The indicated process is started.

User response: None.

ANR1065I  Restore of NAS node nodename, file system file system, started as process process ID by administrator administrator.

Explanation: A restore is started for the indicated file system of a NAS node. The restore will be performed using a full image of this file system. The file system will be restored to the indicated destination.

System action: The indicated process is started.

User response: None.

ANR1066I  Restore of NAS node nodename, file system file system, started as process process ID by administrator administrator. A full image plus a differential image for this file system will be restored to destination destination.

Explanation: A restore is started for the indicated file system of a NAS node. The operation is initiated by the administrator shown. The restore will be performed using a full image plus a differential image of this file system. The file system will be restored to the indicated destination.

System action: The indicated process is started.

User response: None.

ANR1067I  Operation process process ID completed.

Explanation: The indicated operation completed.

System action: None.

ANR1068W  Operation process process ID terminated - process cancelled.

Explanation: During the indicated operation, a background process was cancelled.

System action: None.

ANR1069E  Operation process process ID terminated - insufficient number of mount points available for removable media.

Explanation: During the indicated operation, the server could not allocate sufficient mount points for the volumes required.

System action: None.

User response: If necessary, make more mount points available.

ANR1070E  Operation process process ID terminated - write errors encountered.

Explanation: During the indicated operation, write errors prevent the operation from continuing.

System action: None.

User response: If possible, correct the cause of the errors and restart the operation.

ANR1071E  Operation process process ID terminated - read errors encountered.

Explanation: During the indicated operation, read errors prevent the operation from continuing.

System action: None.

User response: If possible, correct the cause of the errors and restart the operation.
ANR1072E Operation process process ID terminated - insufficient space in destination storage pool.

Explanation: During the indicated operation, there is not enough space available in the destination storage pool.

System action: The indicated process ends.

User response: Make more space available in the storage pool and restart the operation.

ANR1073E Operation process process ID terminated - sufficient recovery log space is not available.

Explanation: During the indicated operation, the server runs out of recovery log space.

System action: The indicated process ends.

User response: If necessary, make more server recovery log space available.

ANR1074E Operation process process ID terminated - sufficient database space is not available.

Explanation: During the indicated operation, the server runs out of database space.

System action: The indicated process ends.

User response: If necessary, make more server database space available.

ANR1075E Operation process process ID terminated - lock conflict.

Explanation: During the indicated operation, the server needs to obtain a lock that is not available.

System action: The indicated process ends.

User response: Restart the operation.

ANR1076E Operation process process ID terminated - sufficient memory is not available.

Explanation: During the indicated operation, not enough server memory is available.

System action: The indicated process ends.

User response: If necessary, make more memory available to the server, and then restart the operation.

ANR1077E Operation process process ID terminated - transaction aborted.

Explanation: During the indicated operation, the server detected an error while attempting to commit a transaction. This message should be preceded by other messages that give additional information about the failed transaction.

System action: The indicated process ends.

User response: Check for additional messages and eliminate the condition that caused the failed transaction.

ANR1078E Operation process process ID terminated - internal server error detected.

Explanation: During the indicated operation, the server encounters an internal error.

System action: The indicated process ends.

User response: Contact your service representative.

ANR1079I Server-free backup of node nodename, file system file system, started as process process ID by administrator administrator.

Explanation: The administrator initiates a server-free backup of the node’s file system.

System action: The indicated process is started.

User response: None.

ANR1080W Space reclamation is ended for volume volume name. The process is canceled.

Explanation: During space reclamation for the indicated volume, the process performing the reclamation has been canceled.

System action: Space reclamation of the volume stops. If other reclamation processes are running, these processes will continue the reclamation.

User response: None.

ANR1081E Space reclamation is ended for volume volume name. Storage media is inaccessible.

Explanation: During space reclamation for the indicated volume, a required volume cannot be mounted.

System action: Space reclamation of the volume stops. If other reclamation processes are executing, these processes will continue the reclamation.

User response: None.

ANR1082E Space reclamation is ended for volume volume name. There is an insufficient number of mount points available for removable media.

Explanation: During space reclamation for the indicated volume, the server could not allocate sufficient mount points for the volumes required.
System action: Space reclamation of the volume stops. If other reclamation processes are running, these processes will continue the reclamation.

User response: If necessary, make more mount points available.

ANR1083E Space reclamation is ended for volume volume name. Excessive read errors were encountered.

Explanation: During space reclamation for the indicated volume, read errors occur that prevent reclamation from continuing.

System action: Space reclamation of the volume stops. If other reclamation processes are running, these processes will continue the reclamation.

User response: If possible, determine and correct the cause of the read errors.

ANR1084E Space reclamation is ended for volume volume name. Excessive write errors were encountered.

Explanation: During space reclamation for the indicated volume, write errors occur that prevent reclamation from continuing.

System action: Space reclamation of the volume stops. If other reclamation processes are running, these processes will continue the reclamation.

User response: If possible, determine and correct the cause of the write errors.

ANR1085E Space reclamation is ended for volume volume name. Data transfer was interrupted.

Explanation: During space reclamation for the indicated volume, a data transfer operation has been interrupted and cannot be continued.

System action: Space reclamation of the volume stops. If other reclamation processes are running, these processes will continue the reclamation.

User response: If possible, determine and correct the cause of the interruption.

ANR1086E Space reclamation is complete for volume volume name. The storage pool has insufficient space.

Explanation: During space reclamation for the indicated volume, data could not be moved from the volume due to insufficient space on other volumes in the storage pool.

System action: Space reclamation of the volume stops. If other reclamation processes are running, these processes continue the reclamation.

User response: Make more space available on other volumes in the storage pool. If necessary, define the next storage pool.

ANR1087E Space reclamation is ended for volume volume name. Sufficient recovery log space is not available.

Explanation: During space reclamation for the indicated volume, the server runs out of recovery log space.

System action: Space reclamation stops.

User response: If necessary, make more server recovery log space available.

ANR1088E Space reclamation is ended for volume volume name. Sufficient database space is not available.

Explanation: During space reclamation for the indicated volume, the server runs out of database space.

System action: Space reclamation stops.

User response: If necessary, make more server database space available.

ANR1089E Space reclamation is ended for volume volume name. There is a lock conflict.

Explanation: During space reclamation for the indicated volume, the server needed to obtain a lock that is not available.

System action: Space reclamation of the volume stops. If other reclamation processes are running, these processes will continue the reclamation.

User response: Wait for the server to try the reclamation again.

ANR1090E Space reclamation is ended for volume volume name. Thread resource is not available.

Explanation: During space reclamation for the indicated volume, the server cannot start a thread for the reclamation process.

System action: Space reclamation of the volume stops. If other reclamation processes are running, these processes will continue the reclamation.

User response: Wait for the server to try the reclamation again. If the error persists, it might indicate a shortage of server memory.
ANR1091E  Space reclamation is ended for volume volume name. Sufficient memory is not available.

Explanation: During space reclamation for the indicated volume, there was not enough server memory available.

System action: Space reclamation of the volume stops. If other reclamation processes are running, these processes will continue the reclamation.

User response: If necessary, make more memory available to the server.

ANR1092E  Space reclamation is ended for volume volume name. An internal server error was detected.

Explanation: During space reclamation for the indicated volume, the server encounters an internal error.

System action: Space reclamation of the volume stops. If other reclamation processes are running, these processes will continue the reclamation.

User response: Examine the server messages that were issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and to look for messages that indicate the source of the error. Correct any errors that might have caused the space reclamation to fail and try the operation again.

ANR1093E  Space reclamation is ended for volume volume name. The transaction is ended.

Explanation: During space reclamation for the indicated volume, the server detected an error while attempting to commit a transaction.

System action: Space reclamation of the volume stops. If other reclamation processes are running, these processes will continue the reclamation.

User response: Check for additional messages and eliminate the condition that caused the failed transaction.

ANR1094E  Invalid destination storage pool storage pool name specified for storage of an object using data mover data mover.

Explanation: While attempting to store an object using the indicated data mover, the server determined that the indicated storage pool was invalid for this operation. The indicated storage pool is used because it is specified as the copy group destination of the assigned management class.

This storage pool could be invalid for any of the following reasons:

• The storage pool is a random-access storage pool and this operation requires a sequential-access storage pool
• The storage pool is not a primary storage pool
• The storage pool has a NATIVE or NONBLOCK data format, which is not supported for this operation
• The storage pool is not a NONBLOCK data format, which is required for server-free operations
• The data format of the storage pool does not match the data format of the data mover

ANR1095E  Data mover operation for node node name and file space filespace name cannot be started - an operation involving this node and file space is already in progress.

Explanation: A request has been made to use a data mover to perform an operation involving the indicated node and file space. The indicated file space was either specified as the source for a backup operation or the destination location for a restore operation. However, a data mover operation involving that node and file space is already in progress; the indicated file space is either the source for a currently running backup operation or is the destination for a currently running restore operation. To avoid possible conflicts, the new operation is not performed.

System action: The operation fails.

User response: Allow the current operation to complete before starting a new operation for this node and file space.

ANR1096E  Operation process process ID terminated - storage media inaccessible.

Explanation: During the indicated operation, a required volume cannot be mounted.

System action: The indicated process ends.

User response: If possible, correct the problem and restart the operation.
ANR1097E  Operation process process ID terminated - data transfer interrupted.

Explanation: During the indicated operation, a data transfer operation is interrupted and cannot be continued.

System action: The indicated process ends.

User response: If possible, correct the problem and restart the operation.

ANR1098E  Operation process process ID terminated - file deleted from data storage during retrieval.

Explanation: During the indicated operation, a file was deleted from data storage during retrieval.

System action: The indicated process ends.

User response: None.

ANR1099E  Operation process process ID terminated - thread resource not available.

Explanation: During the indicated operation, the server cannot start a thread.

System action: The indicated process ends.

User response: The problem may indicate a shortage of memory. If necessary, make more memory available to the server, and then restart the operation.

ANR1100I  Migration started for volume volume name, storage pool storage pool name (process number process ID).

Explanation: Because the high migration threshold for the indicated storage pool has been exceeded, migration of files from the volume shown begins.

System action: The system moves the data from this volume to the next (target) pool.

User response: None.

ANR1101I  Migration ended for volume volume name.

Explanation: Because the low migration threshold for the indicated storage pool has been reached, migration of files from the indicated volume ends.

System action: None.

User response: None.

ANR1102I  Removable volume volume name is required for migration.

Explanation: During migration processing, the server determines that a removable volume is required in order to complete processing.

ANR1103E  Operation process process ID terminated - server-free input/output errors encountered.

Explanation: During the indicated operation, input/output errors were encountered which prevent the operation from continuing.

System action: Server processing continues.

User response: Check previous messages for problem determination information.

ANR1104E  Operation process process ID terminated - NAS datamover NAS datamover name reported NDMP session errors.

Explanation: During the indicated operation, the NDMP session with the NAS file server reported errors which prevent the operation from continuing.

System action: The indicated process ends.

User response: For details about how to identify the cause of the terminated NDMP operations, see the NAS file-server documentation. Check the NDMP logs for the NAS file server and, if possible, correct the cause of the errors and restart the operation.

ANR1106W  An incorrect destination storage pool storage pool name was specified for storing a table of contents for an image.

A table of contents will not be created for the image.

Explanation: While attempting to store an image object, the server determined that the indicated table of contents (TOC) destination storage pool was invalid. The indicated storage pool is used because it is specified as the copy group TOC destination of the assigned management class.

This storage pool could be invalid for any of the following reasons:
- The storage pool is not defined
- The storage pool is not a primary storage pool
- The storage pool has a data format other than NATIVE or NONBLOCK

System action: The operation continues because TOC creation is preferred, but not required. A TOC will not be created for the stored image object.

User response: This message usually indicates a configuration problem with either the storage pool or the policy. Ensure that the TOC destination storage pool has appropriate attributes, including data format. Check the copy group of the assigned management
class. If the TOC destination is incorrect, either assign a new management class, or change the TOC destination in the copy group and activate the changed policy.

**ANR1107E**  An incorrect destination storage pool

-storage pool name was specified for
-storage of a table of contents for an
-image object. The backup operation
-fails.

*Explanation:* While attempting to store an image object, the server determined that the indicated table of contents (TOC) destination storage pool was invalid. The indicated storage pool is used because it is specified as the copy group TOC destination of the assigned management class.

This storage pool could be invalid for any of the following reasons:
- The storage pool is not defined
- The storage pool is not a primary storage pool
- The storage pool has a data format other than NATIVE or NONBLOCK

*System action:* The operation fails.

*User response:* This message usually indicates a configuration problem with either the storage pool or the policy. Ensure that the TOC destination storage pool has appropriate attributes, including data format. Check the copy group of the assigned management class. If the TOC destination is incorrect, either assign a new management class, or change the TOC destination in the copy group and activate the changed policy.

**ANR1108W**  The server is unable to create a table of contents for node node name, file space file space in storage pool storage pool name.

*Explanation:* While attempting to create a table of contents (TOC) for the specified node and file space in the indicated TOC destination pool, a failure occurred.

*System action:* The operation continues because TOC creation is preferred, but not required. A TOC will not be created.

*User response:* Look for previous messages giving a specific reason for the failure. Take corrective action as appropriate.

**ANR1109W**  Command: A table of contents was requested, but there is no table of contents destination storage pool specified. The table of contents will not be created, but the operation continues.

*Explanation:* While preparing to create a table of contents (TOC), the server determined that the TOC destination storage pool is not specified in the backup copy group for the assigned management class.

*System action:* The operation continues because TOC creation is preferred, but not required. A TOC will not be created.

*User response:* This message indicates a configuration problem with the policy. Either assign a new management class with appropriate attributes, or correct the assigned management class by setting the TOC destination in the backup copy group and activating the changed policy.

**ANR1110E**  Command: A table of contents was requested, but there is no table of contents destination storage pool specified. The table of contents can not be created and the operation fails.

*Explanation:* While preparing to create a table of contents (TOC), the server determined that the TOC destination storage pool is not specified in the backup copy group for the assigned management class.

*System action:* The operation fails.

*User response:* This message indicates a configuration problem with the policy. Either assign a new management class with appropriate attributes, or correct the assigned management class by setting the TOC destination in the backup copy group and activating the changed policy. If a TOC is not required, change the value of the TOC parameter on the command.

**ANR1111E**  Command: An incorrect message number, message number, was specified.

*Explanation:* A MSGSTACKTRACE ENABLE or MSGSTACKTRACE DISABLE command has been entered that specifies an invalid message number. Messages must be between 3 and 8 digits. No letters are allowed on message numbers.

*System action:* The server does not process the command.

*User response:* Reissue the command with a valid message number.

**ANR1112W**  Command: No table of contents destination storage pool available for backup set for node Node name (data type data type). The table of contents will not be created.

*Explanation:* While preparing to create a table of contents (TOC), the server determined that the TOC destination storage pool is not specified in the backup copy group for the assigned management class.

*System action:* The operation continues because TOC creation is preferred, but not required. A TOC will not be created.

*User response:* This message indicates a configuration problem with the policy. Either assign a new
management class with appropriate attributes, or correct the assigned management class by setting the TOC destination in the backup copy group and activating the changed policy.

**ANR1113E**  
*Command:* No table of contents destination storage pool available for backup set for node Node name (data type data type). The backup set will not be generated.

**Explanation:** While preparing to create a table of contents (TOC), the server determined that the TOC destination storage pool is not specified in the backup copy group for the assigned management class.

**System action:** The operation fails.

**User response:** This message indicates a configuration problem with the policy. Either assign a new management class with appropriate attributes, or correct the assigned management class by setting the TOC destination in the backup copy group for the assigned management class.

**ANR1114E**  
*Command:* No nodes or data types are eligible for a backup set operation.

**Explanation:** None of the specified nodes or data types are eligible to be included in the backup set for the GENERATE BACKUPSET or DEFINE BACKUPSET command.

**System action:** The operation fails.

**User response:** Check previous messages for problem determination information.

**ANR1115W**  
*Error initiating migration for storage pool storage pool name - lock conflict.*

**Explanation:** While trying to start migration for the indicated storage pool, the server needs to obtain a lock that is not available.

**System action:** Migration stops. The server waits for the retry period to expire and then tries the migration again.

**User response:** Wait for the server to retry the migration.

**ANR1116W**  
*Error initiating migration for storage pool storage pool name - sufficient memory is not available.*

**Explanation:** While trying to start migration for the indicated storage pool, there is not enough server memory available.

**System action:** Migration stops. The server waits for the retry period to expire and then tries the migration again.

**User response:** If necessary, make more memory available to the server.

**ANR1117W**  
*Error initiating migration for storage pool storage pool name - internal server error detected.*

**Explanation:** While trying to start migration for the indicated storage pool, the server encounters an internal error.

**System action:** Migration stops. The server waits for the retry period to expire and then tries the migration again.

**User response:** Contact your service representative.

**ANR1118I**  
*Table of contents successfully generated for node Node name, backup set backup set name.*

**Explanation:** You requested a table of contents to be generated for the specified backup set and data type. The table of contents was successfully generated.

**System action:** Server operation continues.

**User response:** None.

**ANR1119W**  
*Table of contents already exists for node Node name, backup set backup set name (data type data type). The table of contents will not be created.*

**Explanation:** You requested a table of contents to be generated for the specified backup set and data type, but the table of contents already exists.

**System action:** The server will not generate a table of contents for this backup set and data type.

**User response:** If the specified backup set name and data type are not correct, re-issue the command with the correct parameters.

**ANR1120W**  
*Migration is ended for volume volume name. The process is canceled.*

**Explanation:** During migration for the indicated volume, the process performing the migration has been canceled.

**System action:** The migration process stops. If other migration processes are running, these processes will continue migration.

**User response:** None.
ANR1121E Migration is ended for volume volume name - storage. Media is inaccessible.

Explanation: During migration for the indicated volume a required volume cannot be mounted.

System action: Migration of the volume stops. If other migration processes are running, these processes will continue migration.

User response: One possible cause for this failure is that the access state for the target volume or storage pool for this operation is not set to READWRITE. Check the access state for the requested output volume and storage pool and ensure they are set to ACCESS=READWRITE.

ANR1122E Migration is ended for volume volume name. An insufficient number of mount points are available for removable media.

Explanation: During migration for the indicated volume the server could not allocate sufficient mount points for the volumes required.

System action: Migration of the volume stops. If other migration processes are running, these processes will continue migration.

User response: If necessary, make more mount points available.

ANR1123E Migration is ended for volume volume name. Excessive read errors were encountered.

Explanation: During migration for the indicated volume, read errors occurred that prevent the migration from continuing.

System action: Migration of the volume stops. If other migration processes are running, these processes will continue migration.

User response: If possible, correct the cause of the read errors.

ANR1124E Migration is ended for volume volume name. Excessive write errors were encountered.

Explanation: During migration for the indicated volume, write errors occurred that prevent the migration from continuing.

System action: Migration of the volume stops. If other migration processes are running, these processes will continue migration.

User response: If possible, correct the cause of the write errors.

ANR1125E Migration is ended for volume volume name. Data transfer is interrupted.

Explanation: During migration for the indicated volume a data transfer operation was interrupted and could not be continued.

System action: Migration of the volume stops. If other migration processes are running, these processes will continue migration.

User response: If possible, determine and correct the cause of the interruption.

ANR1126E Migration is ended for volume volume name. There is insufficient space in subordinate storage pools.

Explanation: During migration for the indicated volume, the server cannot move the data from the volume because there is not enough space on the next storage pool, or the next storage pool is not defined.

System action: Migration of the volume stops. If other migration processes are running, these processes will continue migration.

User response: Ensure that the next storage pool is defined, and make more space available in the next storage pool. Use the UPDATE STGPOOL command to change the next storage pool to one with more space.

ANR1127E Migration is ended for volume volume name. The server is unable to move files to subordinate storage pools because the files are too large.

Explanation: During migration for the indicated volume, the server cannot move the data from the volume because a file size is larger than allowed on the next storage pool.

System action: Migration of the volume stops. If other migration processes are running, these processes will continue migration.

User response: Use the UPDATE STGPOOL command to change the next storage pool maximum file size or to change the next storage pool target.

ANR1128E Migration is ended for volume volume name. Sufficient recovery log space is not available.

Explanation: During migration for the indicated volume, the server runs out of recovery log space.

System action: Migration stops.

User response: If necessary, make more server recovery log space available.
ANR1129E  Migration is ended for volume volume name. Sufficient database space is not available.

Explanation: During migration for the indicated volume pool, the server runs out of database space.

System action: Migration stops.

User response: If necessary, make more server database space available.

ANR1130E  Migration is ended for volume volume name. There is a lock conflict.

Explanation: During migration for the indicated volume, the server needs to obtain a lock that is not available.

System action: Migration of the volume stops. If other migration processes are running, these processes will continue migration.

User response: Wait for the server to try the migration again.

ANR1131E  Migration is ended for volume volume name. A thread resource is not available.

Explanation: During migration for the indicated volume, the server cannot start a thread for the migration process.

System action: Migration of the volume stops. If other migration processes are running, these processes will continue migration.

User response: Wait for the server to try the migration again. If the error persists, it might indicate a shortage of server memory.

ANR1132E  Migration is ended for volume volume name. Sufficient memory is not available.

Explanation: During migration for the indicated volume, there is not enough server memory available.

System action: Migration stops.

User response: If necessary, make more memory available to the server.

ANR1133E  Migration is ended for volume volume name. An internal server error is detected.

Explanation: During migration for the indicated volume, the server encounters an internal error.

System action: Migration of the volume stops. If other migration processes are running, these processes will continue migration.

User response: Contact your service representative.

ANR1134E  Migration is ended for storage pool storage pool name. There is an insufficient number of mount points available for removable media.

Explanation: During migration for the indicated storage pool the server could not allocate sufficient mount points in the next storage pool.

System action: Migration stops. The server waits for the retry period to expire and then tries the migration again.

User response: If necessary, make more mount points available.

ANR1135E  Migration is ended for volume volume name. The transaction is ended.

Explanation: During migration for the indicated volume, the server detected an error while attempting to commit a transaction.

System action: Migration of the volume stops. If other migration processes are running, these processes will continue migration.

User response: Check for additional messages and eliminate the condition that caused the failed transaction.

ANR1136E  Operation process process ID completed - There is no data to process for the differential backup of NAS node node name, file space file space.

Explanation: The NAS file server reported zero bytes stored at the conclusion of an NDMP backup of the specified file space. The command ends without updating the server's database.

System action: The indicated process ends.

User response: None.

ANR1137E  Operation process process ID terminated - object excluded by size in destination storage pool and all successor pools.

Explanation: During the indicated operation, the size of a file sent from the client node is larger than that allowed in the destination storage pool. No successor storage pools can accept the large file.

System action: The indicated process ends.

User response: Increase the maximum file size for one or more of the storage pools in the storage hierarchy to accommodate the file. An authorized administrator can increase the MAXSIZE parameter by issuing the UPDATE STGPOOL command.
ANR1138I entries were created for the no-query restore with timestamp timestamp.

Explanation: The no-query restore operation identified by the timestamp now has the indicated number of entries in the Restore.Srvobj table. This no-query restore operation continues to find restore candidates until the server issues message ANR1183I.

System action: The server operation continues.

User response: This informational message reports that the no-query restore operation is still searching for candidates. You can cancel the restore operation by issuing the CANCEL RESTORE or CANCEL SESSION command.

ANR1139E The command name command failed because some data was missing.

Explanation: An attempt to gather database statistics from the database manager failed. This failure can occur if either of these conditions is met:
- The buffer pool monitor switch (DFT_MON_BUFPOOL) has been set to 'OFF.' The buffer pool monitor switch controls the collection of database statistics.
- The file systems or drives are in a remote network. There might be a network problem causing the server fail to collect the statistics of those volumes.

System action: The command fails, and the server operation continues.

User response: Take one of the following actions, and then try running the QUERY DBSPACE command again:
- Stop and restart the server.
- Set the buffer pool monitor switch to 'ON' using this DB2 command: 'db2 update dbm cfg using DFT_MON_BUFPOOL ON'.
- If you cannot obtain drive or file system statistics by running operating system commands, fix the problem, then try running the command again.

ANR1142I Moving data for collocation cluster cluster number of total clusters on volume volume name.

Explanation: As a result of a MOVE DATA command, data moves from the volume indicated to new volumes; the message shows the total number of clusters (data objects) on the volume and the current cluster being processed.

System action: None.

User response: None.

ANR1143W Move data process terminated for volume volume name - process canceled.

Explanation: During move data processing for the indicated volume, the process performing the move data was canceled. It is possible that the server may issue this message more than once while the server is ending this process.

System action: The server ends the MOVE DATA command.

User response: None.

ANR1144W Move data process terminated for volume volume name - storage media inaccessible.

Explanation: During move data processing for the indicated volume, a required volume cannot be mounted.

System action: The server ends the MOVE DATA command.

User response: None.

ANR1145W Move data process terminated for volume volume name - insufficient number of mount points available for removable media.

Explanation: During move data processing for the indicated volume, the server could not allocate sufficient mount points for the volumes required.

System action: The server ends the MOVE DATA command.

User response: If necessary, make more mount points available.

ANR1146W Move data process terminated for volume volume name - excessive read errors encountered.

Explanation: During move data processing for the
indicated volume, read errors occurred that prevented the move from continuing.

**System action:** The server ends the MOVE DATA command.

**User response:** If possible, correct the cause of the read errors and then reissue the MOVE DATA command.

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**ANR1147W** Move data process terminated for volume volume name - excessive write errors encountered.

**Explanation:** During move data processing for the indicated volume, write errors occurred that prevented the move from continuing.

**System action:** The server ends the MOVE DATA command.

**User response:** If possible, correct the cause of the write errors and then reissue the MOVE DATA command.

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**ANR1148W** Move data process terminated for volume volume name - data transfer interrupted.

**Explanation:** During move data processing for the indicated volume, a data transfer operation was interrupted and could not be continued.

**System action:** The server ends the MOVE DATA command.

**User response:** If possible, determine and correct the cause of the interruption.

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**ANR1149W** Move data process terminated for volume volume name - insufficient space in target storage pool.

**Explanation:** During move data processing for the indicated volume, the server cannot move the data from the volume, because there is not enough space on the destination storage pool to hold it or the access to the storage pool is either unavailable or readonly.

**System action:** The server ends the MOVE DATA command.

**User response:** Make more space available in the next storage pool, or specify a storage pool with more space, and reissue the MOVE DATA command.

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**ANR1150W** Move data process terminated for volume volume name - unable to move file to target storage pool due to exclusion by size.

**Explanation:** During move data processing for the indicated volume, the server cannot move the data from the volume because a file size is larger than allowed on the next storage pool.

**System action:** The server ends the MOVE DATA or MOVE NODEDATA command.

**User response:** Use the UPDATE STGPOOL command to change the next storage pool maximum file size or to change the next storage pool target, and then reissue the MOVE DATA or MOVE NODEDATA command.

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**ANR1151W** Move data process terminated for volume volume name - insufficient recovery log space is not available.

**Explanation:** During move data processing for the indicated volume, the server runs out of recovery log space.

**System action:** The server ends the MOVE DATA command.

**User response:** If necessary, make more server recovery log space available.

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**ANR1152W** Move data process terminated for volume volume name - sufficient database space is not available.

**Explanation:** During move data processing for the indicated volume, the server runs out of database space.

**System action:** The server ends the MOVE DATA command.

**User response:** If necessary, make more server database space available.

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**ANR1153W** Move data process terminated for volume volume name - lock conflict.

**Explanation:** During move data processing, the server was unable to obtain the volume specified because a lock was not available or a restartable restore is active for data on the volume and has it locked.

**System action:** The server ends the MOVE DATA command.

**User response:** Check for restartable restores by issuing the QUERY RESTORE command. If the volume specified contains any data from the node and filespace identified by the QUERY RESTORE command, the MOVE DATA command will fail. The restartable restores must complete or be cancelled before the MOVE DATA command can succeed.

If the volume does not contain data from the node and filespace identified by the QUERY RESTORE command, the reissue the MOVE DATA command.
ANR1154W Move data process terminated for volume volume name - thread resource not available.

Explanation: During move data processing for the indicated volume, the server cannot start a thread for the migration process.

System action: The server ends the MOVE DATA command.

User response: Reissue the MOVE DATA command. If the error persists, it may indicate a shortage of server memory.

ANR1155W Move data process terminated for volume volume name - sufficient memory is not available.

Explanation: During move data processing for the indicated volume, there is not enough server memory available.

System action: The server ends the MOVE DATA command.

User response: If necessary, make more memory available to the server, and then reissue the MOVE DATA command.

ANR1156W Move data process terminated for volume volume name - internal server error detected.

Explanation: During move data processing for the indicated volume, the server encounters an internal error.

System action: The server ends the MOVE DATA command.

User response: Contact your service representative.

ANR1157I Removable volume volume name is required for move process.

Explanation: During move data or move node data processing, the server determines that the indicated removable volume is required in order to complete processing.

System action: The server attempts to mount the removable volume.

User response: Respond to any mount request for the indicated volume.

ANR1160W Transaction was aborted for volume volume name.

Explanation: An error was detected during transaction commit. This message should be preceded by other messages that give additional information about the failed transaction.

System action: The activity that generated this error fails.

User response: Check for additional messages and eliminate the condition that caused the failed transaction. If the error cannot be isolated and resolved, contact your service representative.

ANR1161W The move process is skipping a damaged file on volume volume name: Node node name, Type file type, File space filesystem name, File name file name.

Explanation: During the move process, a file is encountered that was previously found to be damaged. If this file is part of an aggregate, the entire aggregate was previously marked damaged, possibly because an error was detected for some other file within the aggregate.

System action: The damaged file is not moved.

User response: Perform the following actions:

- Audit the indicated volume with FIX=NO to verify that the file is damaged. The audit will reset the file status if the file is found to be undamaged during the audit. If the file is part of an aggregate, the audit will reset the aggregate status if the entire aggregate is found to be undamaged.

- If this volume is in a primary storage pool that has previously been backed up to a copy storage pool, attempt to restore damaged files by using the RESTORE STGPOOL command.

ANR1162W Space reclamation skipping damaged file on volume volume name: Node node name, Type file type, File space filesystem name, File name file name.

Explanation: During reclamation, a file is encountered that was previously found to be damaged. If this file is part of an aggregate, the entire aggregate was previously marked damaged, possibly because an integrity error was detected for some other file within the aggregate.

System action: The damaged file is not moved.

User response: Audit the indicated volume with FIX=NO to verify that the file is damaged. The audit will reset the file status if the file is found to be undamaged during the audit. If the file is part of an aggregate, the audit will reset the aggregate status if the entire aggregate is found to be undamaged. If this volume is in a primary storage pool that has previously been backed up to a copy storage pool, attempt to restore damaged files by using the RESTORE STGPOOL command.
ANR1163W • ANR1167E

ANR1163W  Offsite volume volume name still contains files which could not be moved.

Explanation: During processing of a MOVE DATA command or reclamation, the server determined that the indicated offsite volume contained one or more files that could not be moved. One or more files could not be copied from the other available volumes.

The server might not move some files if the storage pool is collocated and the volume being moved or reclaimed contains files that require different output volumes. The server will skip these files and no messages are issued identifying the skipped files. The files are skipped to honor the collocation attribute of the storage pool.

If the files in the storage pool are deduplicated, they could be skipped due to the unavailability of an on-site copy. This can occur if the file has been logically deleted from all other storage pools due to either policy retention settings, or explicit deletion, but must remain in the offsite storage pool due to deduplication dependencies.

System action: None.

User response: Check for messages that indicate why files could not be moved. To complete the move operation, you have several options:
• Bring the volume back on-site and reissue a MOVE DATA command to reclaim the volume. If the storage pool is deduplicated and all primary storage pool volumes are available, this is the recommended solution.
• Make the primary volumes available and reissue a MOVE DATA command to reclaim the volume.
• Delete the files by using the DELETE VOLUME command.

If the server is skipping files to honor the collocation attribute of the storage pool, run the MOVE DATA command, or wait until reclamation runs again. In either case, the server will move files to the appropriate output volumes until the volume being moved or reclaimed is empty. It might take more than one attempt to totally empty the volume.

ANR1165E  Error detected for file in storage pool

storage pool name: Node node name, Type file type, File space filesystem name, fsId filesystem id, File name file name.

Explanation: The server has detected an error for the indicated file.

System action: The file will be marked damaged in the server database, and will not be accessed for future operations. If this file is part of an aggregate, the entire aggregate will be marked damaged. If a usable copy of the file exists in another storage pool, that copy may be accessed for future operations involving the file.

User response: If the indicated storage pool is a primary pool, and a usable copy of the file exists in a copy storage pool, you can recreate the file in the primary pool using the RESTORE STGPOOL command. If the indicated storage pool is a copy storage pool, it is possible that the primary copy of the file is usable, but was not accessed because the access mode for the primary storage pool or volume is unavailable. If this is the case, the primary copy of the file may be made accessible by changing the access mode of the primary pool or volume.

ANR1166E  Move Data for offsite volume cannot copy damaged file in storage pool

storage pool name: Node node name, Type file type, File space filesystem name, fsId filesystem id, File name file name.

Explanation: A move data process for an offsite volume cannot locate an undamaged copy of the specified file in any storage pool accessible by the server. If this file is part of an aggregate, the process could not locate an undamaged copy of the aggregate to which the file belongs.

System action: The file will be skipped and will not be moved from the offsite volume.

User response: The indicated storage pool is a primary pool that contains a damaged copy of the file. The only usable copy of the file may now only reside on the offsite volume that was involved in the move data process. If you bring this volume back onsite, you can recreate the file in the primary pool by using the RESTORE STGPOOL command. After the restore, you can reissue the MOVE DATA command.

ANR1167E  Space reclamation for offsite volume

volume name cannot copy damaged file in storage pool

storage pool name: Node node name, Type file type, File space filesystem name, fsId filesystem id, File name file name.

Explanation: A reclamation process of offsite volumes cannot locate an undamaged copy of the specified file in any storage pool accessible by the server. If this file is part of an aggregate, the process could not locate an undamaged copy of the aggregate to which the file belongs.

System action: The file is skipped and will not be moved from the offsite volume.

User response: The indicated storage pool is a primary pool that contains a damaged copy of the file. The only usable copy of the file may now only reside on an offsite volume that was involved in the reclamation process, but was not totally reclaimed. If you bring this volume back onsite, you can recreate the file in the primary pool by using the RESTORE STGPOOL command.
ANR1168W  Migration skipping damaged file on volume volume name. Node node name, Type file type, File space filespace name, fsId filespace id, File name file name.

Explanation: During migration, a file is encountered that was previously found to be damaged. If this file is part of an aggregate, the entire aggregate was previously marked damaged, possibly because an integrity error was detected for some other file within the aggregate.

System action: The damaged file will not be moved.

User response: Audit the indicated volume with FIX=NO to verify that the file is damaged. The audit will reset the file status if the file is found to be undamaged during the audit. If the file is part of an aggregate, the audit will reset the aggregate status if the entire aggregate is found to be undamaged. If this volume is in a primary storage pool that has previously been backed up to a copy storage pool, you can also attempt to restore damaged files by using the RESTORE STGPOOL command.

ANR1169W  Lock conflict on movement of offsite file - file is skipped.

Explanation: During migration, reclamation, or move data processing of a volume that is offsite, a copy of the file that resides in a primary disk storage pool is locked by another process.

System action: The file is skipped and the process will try to find another copy of the file in a copy storage pool. If another copy cannot be used, the move operation on the volume may be incomplete.

User response: If a move operation was incomplete, try repeating the operation.

ANR1170E  Out of Space in target copy storage pool: copy storage pool name.

Explanation: During reclamation, or move data processing of a volume that is offsite, there was no volume available in the specified target copy storage pool.

System action: The operation is terminated.

User response: Define volumes to the copy storage pool or raise the MAXSCRATCH value.

ANR1171W  Unable to move files associated with node node name, filespace filespace name fsId filespace id on volume volume name due to restore in progress.

Explanation: During movement of data (migration, reclamation, move data) from a sequential volume, one or more files were encountered that were locked by a restore operation.

System action: The file is skipped and will not be moved from the offsite volume.

User response: The indicated storage pool is a primary pool that should contain a copy of the file. Perhaps the volume on which that file resides is on a primary pool that should contain a primary copy of the file.
destroyed volume. The only usable copy of the file may now only reside on an offsite volume that was involved in the reclamation process, but was not totally reclaimed. If you bring this volume back onsite, you can recreate the file in the primary pool by using the RESTORE STGPOOL command.

ANR1174W One or more cached files were not deleted on volume volume name.

Explanation: The MOVE DATA command could not delete one or more cached files on the disk volume shown. Migration was probably running at the same time, creating cached files while the MOVE DATA command was trying to delete them.

System action: The MOVE DATA command ran to completion.

User response: If you want the remaining cached files removed from the disk volume, reissue the MOVE DATA command.

ANR1175W Volume volume name contains files which could not be reclaimed.

Explanation: After reclamation of the indicated volume, it still contains one or more files that could not be reclaimed. These files were skipped because of read errors, or because the files are marked damaged.

System action: The volume is marked unavailable so it will not be chosen again for reclamation.

User response:
- Use the UPDATE VOLUME command to set the volume access to readonly.
- Try using the MOVE DATA command to manually reclaim the volume.
- If files still exist on the volume, audit the volume using AUDIT VOLUME FIX=YES.
- Try using the MOVE DATA command again.
- Use the RESTORE VOLUME command to restore files marked damaged.

ANR1176I Moving data for collocation set set number of total sets on volume volume name.

Explanation: As a result of a move operations, such as MOVE DATA, MOVE NODATA, migration, or reclamation, the server is moving data from the volume indicated to new volumes. This message shows the total sets of data on the volume to be processed. Depending upon the collocation setting of the destination storage pool, a set can be file spaces that belong to the same collocation group, file spaces for a node, or a single file space.

System action: None.

User response: None.

ANR1178I Copying active files from primary storage pool primary pool name to active data pool active data pool name started as process process ID.

Explanation: A process has been started to copy active data from a primary storage pool to the indicated active data.

System action: For every noncached, active file in the primary pool, a copy is made in the active data pool, if a copy of that file does not already exist.

User response: None.

ANR1179I Preview of copying active files from primary storage pool primary pool name to active data pool active data pool name started as process process ID.

Explanation: A preview process has been started to copy active data from a primary storage pool to the indicated active data pool.

System action: Preview information about the COPY ACTIVEDATA operation is collected and displayed, but files are not copied.

User response: None.

ANR1180W Access mode for volume volume name has been set to "unavailable" due to file read or integrity errors.

Explanation: During processing of a storage pool volume, input/output or other errors occur that force the server to mark the volume unavailable for further processing.

System action: The server sets the volume status to unavailable.

User response: Correct the errors that set the volume to unavailable, or use the DELETE VOLUME command to remove it from the system.

ANR1181E Diagnostic(ID): Data storage transaction transaction ID was aborted.

Explanation: A database transaction failed because of an error that was detected during data storage processing. This message should be preceded by other messages that give additional information about the failed transaction.

System action: The server operation that encountered this error during data storage processing fails.

User response: Check for additional messages and eliminate the condition that caused the failed transaction.
ANR1182I  Removable volume volume name is required for a restore request from session session id.

Explanation: A restore request will need a removable volume. This message is issued as soon as the server determines that the volume will be needed. A mount request will be made when the volume is actually needed for processing. When the first pass determination of needed volumes is complete, message ANR1183I will be issued. However, it is possible that additional volumes will be needed later, as indicated in the explanation for message ANR1183I. This message is not issued for DISK device class volumes nor is it issued for FILE device class volumes.

System action: The server continues processing.

User response: Respond to any mount request for the indicated volume.

ANR1183I  Initial determination of removable volumes required for a restore request from session session id is complete. Additional volumes may still be required.

Explanation: The first pass determination of needed volumes is complete for the indicated restore session. It is possible that additional volumes will be needed as individual objects are restored. This can happen for a variety of reasons. Examples of such reasons include: 1. An object spanning from one volume to another, where the second volume is not needed for any other objects during this restore session. 2. An object is found to be damaged and a copy storage pool volume is needed to complete the restore. 3. A volume is unavailable and a copy storage pool volume is needed to complete the restore.

System action: The server continues processing.

User response: Respond to any mount request for any additional volumes.

ANR1184I  Copy active data process process ID ended for storage pool storage pool name.

Explanation: A COPY ACTIVEDATA process for the named primary storage pool has ended.

System action: None.

User response: None.

ANR1185I  Copy active data process process ID terminated for storage pool storage pool name - process canceled.

Explanation: While copying active data from the indicated primary storage pool, a process performing the operation has been canceled.

System action: If other copy active data processes are executing for the named storage pool, these processes continue.

User response: None.

ANR1186I  Restore of node nodename, file system file system, started as process process ID by administrator administrator. A full image for this file system will be restored to destination destination.

Explanation: The administrator initiates a restore of the node's file system. The restore will be performed using a full image of this file system. The file system will be restored to the indicated destination.

System action: The indicated process is started.

User response: None.

ANR1189I  Removable volume volume name is required for copying active data.

Explanation: During processing of a COPY ACTIVEDATA command, the server determines that a removable volume is required.

System action: Unless this is a preview process, the server attempts to mount the removable volume.

User response: Respond to any mount request for the indicated volume.

ANR1199I  Removable volume volume name is required for audit process.

Explanation: During audit volume processing for the indicated volume, the server determines that a removable volume is required in order to complete processing.

System action: The server attempts to mount the removable volume.

User response: Respond to any mount request for the indicated volume.

ANR1210I  Backup of primary storage pool primary pool name to copy storage pool copy pool name started as process process ID.

Explanation: A process has been started to back up a primary storage pool to the indicated copy storage pool.

System action: For every noncached file in the primary pool, a backup copy is made in the copy pool, if a copy of that file does not already exist.

User response: None.
ANR1211I Backup preview of primary storage pool
primary pool name to copy storage pool
copy pool name started as process process ID.

Explanation: A preview process has been started to
back up a primary storage pool to the indicated copy
storage pool.

System action: Preview information about the backup
operation is collected and displayed, but files are not
backed up.

User response: None.

ANR1212I Backup process process ID ended for
storage pool storage pool name.

Explanation: A backup process for the named primary
storage pool has ended.

System action: None.

User response: None.

ANR1213I Backup process process ID terminated for
storage pool storage pool name - process
canceled.

Explanation: During backup of the indicated primary
storage pool, a process performing the backup has been
canceled.

System action: If other backup processes are executing
for the named storage pool, these processes continue.

User response: None.

ANR1214I The backup of the primary pool name
primary storage pool to the copy pool
name copy storage pool is complete.
Number of files backed up: number of
backed up files. Number of bytes backed
up: number of backed up bytes. Deduplicated bytes backed up: number of
backed up dedup bytes. Unreadable files: number of unreadable files. Unreadable bytes: number of unreadable bytes.

Explanation: Backup processing for the specified
storage pool ended with the displayed results.

System action: None.

User response: Examine previous messages to
determine whether all backup processes ended
successfully.

ANR1215I The backup preview of the primary pool
name primary storage pool to the copy
pool name copy storage pool is complete.
Number of files backed up: number of
backed up files. Number of bytes backed
up: number of backed up bytes. Number of
deduplicated bytes backed up: number of
backed up dedup bytes.

Explanation: Backup preview processing for the
specified storage pool ended with the displayed results.

System action: None.

User response: No action is required.

ANR1216E Command: Process process ID terminated -
storage media inaccessible.

Explanation: During backup processing, a required
volume could not be mounted.

System action: The indicated backup process ends.

User response: None.

ANR1217E Command: Process process ID stopped -
insufficient number of mount points
available for removable media.

Explanation: During backup processing, the server
could not allocate sufficient mount points for the
volumes required.

System action: The indicated backup process ends.

User response: If necessary, make more mount points
available. To prevent sessions or processes from having
to wait for a mount point, increase the value of the
MOUNTLIMIT parameter in the device-class definition.
Set the value of the MOUNTLIMIT parameter high
enough to allow all server processes using deduplicated
storage pools to open the number of volumes specified
by the NUMOPENVOLSALLOWED option.

ANR1218E Command: Process process ID terminated -
excessive read errors encountered.

Explanation: During backup processing, read errors
occur that prevent the backup from continuing.

System action: The indicated backup process ends.

User response: If possible, correct the cause of the
read errors and reissue the backup command.

ANR1219E Command: Process process ID terminated -
excessive write errors encountered.

Explanation: During backup processing, write errors
occur that prevent the backup from continuing.

System action: The indicated backup process ends.

User response: If possible, correct the cause of the
write errors and reissue the backup command.

**ANR1220E**  
*Command: Process process ID terminated*  
*data transfer interrupted.*

**Explanation:** During backup processing, a data transfer operation was interrupted and could not be continued.

**System action:** The indicated backup process ends.

**User response:** If possible, correct the cause of the interruption and reissue the backup command.

**ANR1221E**  
*Command: Process process ID terminated*  
*insufficient space in target storage pool pool name.*

**Explanation:** During backup processing, the server cannot copy data to the specified copy or active-data storage pool because not enough space is available in the specified copy or active-data storage pool, or, the access for the copy or active-data storage pool is either unavailable or readonly.

**System action:** The indicated backup process ends.

**User response:** Make more space available in the copy or active-data storage pool and reissue the backup command, or reissue the backup command and specify another copy or active-data storage pool with more space.

**ANR1222E**  
*Command: Process process ID was terminated because of insufficient recovery log space.*

**Explanation:** If a log runs out of space, the current transaction is rolled back. The server issues an error message and halts. You cannot restart the server until the recovery log size is increased.

**System action:** The server halts.

**User response:** Monitor archive logs and active logs. If the recovery log space is insufficient, monitor the archive log space first. If the archive log space is full or nearly full, run a full database backup to remove archive logs and consider adding more disk space to the archive log directory. If the archive log space is not full and the active log space is full or nearly full, update the value of the ACTIVEDLOGSIZE option in the dsmserv.opt file. Set the value of the ACTIVEDLOGSIZE option to the new maximum size of the active log.

**ANR1223E**  
*Command: Process process ID was terminated because of insufficient database space.*

**Explanation:** During backup processing, the server runs out of database space.

**System action:** The specified backup process ends.

**User response:** To increase the amount of database space that is available to the server, issue the EXTEND DBSPACE command. Add one or more directories to the database.

**ANR1224E**  
*Command: Process process ID terminated*  
*lock conflict.*

**Explanation:** During backup processing, the server needs to obtain a lock that is not available.

**System action:** The indicated backup process ends.

**User response:** Reissue the backup command.

**ANR1225E**  
*Command: Process process ID terminated*  
*thread resource not available.*

**Explanation:** During backup processing, the server cannot start a thread.

**System action:** The indicated backup process ends.

**User response:** Reissue the backup command. If the error persists, it may indicate a shortage of server memory.

**ANR1226E**  
*Command: Process process ID terminated*  
*sufficient memory is not available.*

**Explanation:** During backup processing, not enough server memory is available.

**System action:** The indicated backup process ends.

**User response:** If necessary, make more memory available to the server, and then reissue the backup command.

**ANR1227E**  
*Command: Process process ID terminated*  
*internal server error detected.*

**Explanation:** During backup processing, the server encounters an internal error.

**System action:** The indicated backup process ends.

**User response:** Examine the server messages that were issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages that indicate the source of the error.

**ANR1228I**  
*Removable volume volume name is required for storage pool backup.*

**Explanation:** During processing of a BACKUP STGPOOL command, the server determines that a removable volume is required.

**System action:** Unless this is a preview process, the server attempts to mount the removable volume.

**User response:** Respond to any mount request for the indicated volume.
Volume volume name cannot be backed up to a copy storage pool or copied to an active-data storage pool. The volume is offline, in use by another process, not currently mountable, or access mode is "unavailable" or "destroyed".

Explanation: During storage pool backup or the copying of active data, the contents of a volume cannot be backed up or copied if one of the following conditions exists:
- The volume is offline.
- The volume is in use by another process.
- The volume cannot be be mounted.
- The access mode of the volume does not allow the operation.

System action: The server continues backup processing, but skips the indicated volume.

User response: Take one of the following actions:
- If the volume is offline, issue the VARY ONLINE command for the indicated volume.
- If the access mode of the volume is unavailable, issue the UPDATE VOLUME command to change the access mode to readwrite or readonly. If the access mode of the volume is destroyed, verify with an administrator whether the access mode should be updated. If it should, issue the UPDATE VOLUME command to change the access mode to readwrite or readonly.
- If the volume is in use by another process, wait for that process to complete, and then retry the BACKUP STGPOOL command or the COPY ACTIVEDATA command.
- If the volume is not currently mountable, verify that the drive can mount the volume, and then retry the BACKUP STGPOOL command or the COPY ACTIVEDATA command.

ANR1230I Restore of primary storage pool primary pool name started as process process ID.

Explanation: A process has been started to restore one or more volumes in the indicated primary storage pool.

System action: Noncached files that reside on selected volumes in the primary storage pool are restored.

User response: None.

ANR1231I Restore preview of volumes in primary storage pool primary pool name started as process process ID.

Explanation: A preview process has been started to restore one or more volumes in the indicated primary storage pool.

System action: Preview information about the restore operation is collected and displayed, but files are not restored. The restore preview includes noncached files that reside in the specified primary storage pool and that meet either of the following conditions:
- The file is stored on a volume whose access mode is destroyed
- The primary file has been identified as having data-integrity errors during a previous operation

User response: None.

ANR1232I Restore of volumes in primary storage pool primary pool name started as process process ID.

Explanation: A process has been started to restore one or more volumes in the indicated primary storage pool.

System action: Noncached files that reside on selected volumes in the primary storage pool are restored.

User response: None.

ANR1233I Restore preview of volumes in primary storage pool primary pool name started as process process ID.

Explanation: A preview process has been started to restore one or more volumes in the indicated primary storage pool.

System action: Preview information about the restore operation is collected and displayed, but files are not restored. The restore preview includes noncached files that reside on selected volumes in the primary storage pool.

User response: None.

ANR1234I Restore process process ID ended for storage pool storage pool name.

Explanation: A restore process for the named primary storage pool has ended.

System action: None.

User response: None.

ANR1235I Restore process process ID ended for volumes in storage pool storage pool name.

Explanation: A restore process for volumes in the named primary storage pool has ended.
ANR1236I  Restore process process ID terminated for storage pool storage pool name - process canceled.

Explanation: During restore of the indicated primary storage pool, a process performing the restore has been canceled.

System action: If other restore processes are executing for the named storage pool, these processes continue.

User response: None.

ANR1237I  Restore process process ID terminated for volumes in storage pool storage pool name - process canceled.

Explanation: During restore of volumes in the indicated primary storage pool, a process performing the restore has been canceled.

System action: If other restore processes are executing for the volumes, these processes continue.

User response: None.

ANR1238I  The restore of the primary pool name primary storage pool is complete. Number of files restored: number of restored files. Number of bytes restored: number of restored bytes. Number of deduplicated bytes restored: number of restored dedup bytes. Number of unreadable files: number of unreadable files. Number of unreadable bytes: number of unreadable bytes.

Explanation: Restore processing for the specified storage pool ended with the displayed results.

System action: None.

User response: Examine previous messages to determine whether all restore processes ended successfully.

ANR1239I  The restore preview of the primary pool name primary storage pool is complete. Number of files restored: number of restored files. Number of bytes restored: number of restored bytes. Number of deduplicated bytes restored: number of restored dedup bytes.

Explanation: Restore preview processing for the specified storage pool ended with the displayed results.

System action: None.

User response: No action is required.

ANR1240I  The restore of volumes in the primary pool name primary storage pool is complete. Number of files restored: number of restored files. Number of bytes restored: number of restored bytes. Number of deduplicated bytes restored: number of restored dedup bytes. Number of unreadable files: number of unreadable files. Number of unreadable bytes: number of unreadable bytes.

Explanation: Restore processing for volumes in the specified storage pool ended with the displayed results.

System action: None.

User response: Examine previous messages to determine whether all restore processes ended successfully.

ANR1241I  The restore preview of volumes in the primary pool name primary storage pool is complete. Number of files restored: number of restored files. Number of bytes restored: number of restored bytes. Number of deduplicated bytes restored: number of restored dedup bytes.

Explanation: Restore preview processing for volumes in the specified storage pool ended with the displayed results.

System action: None.

User response: No action is required.

ANR1242E  Command: Process process ID terminated - storage media inaccessible.

Explanation: During restore processing, a required volume could not be mounted.

System action: The indicated restore process ends.

User response: Verify that the copy and primary storage pools and volumes being accessed are available. Check the ACCESS parameter for both of the storage pools and all related volumes to ensure the ACCESS state is not preventing access.

ANR1243E  Command: Process process ID terminated - insufficient number of mount points available for removable media.

Explanation: During restore processing, the server could not allocate sufficient mount points for the volumes required.

System action: The indicated restore process ends.

User response: If necessary, make more mount points available.
Explanation: During restore processing, read errors occur that prevent the restore from continuing.
System action: The indicated restore process ends.
User response: If possible, correct the cause of the read errors and reissue the restore command.

ANR1245E  Command: Process process ID terminated - excessive write errors encountered.
Explanation: During restore processing, write errors occur that prevent the restore from continuing.
System action: The indicated restore process ends.
User response: If possible, correct the cause of the write errors and reissue the restore command.

ANR1246E  Command: Process process ID terminated - data transfer interrupted.
Explanation: During restore processing, a data transfer operation was interrupted and could not be continued.
System action: The indicated restore process ends.
User response: If possible, correct the cause of the interruption and reissue the restore command.

ANR1247E  Command: Process process ID terminated - insufficient space in target primary storage pool.
Explanation: During restore processing, the server cannot copy data to the target primary storage pool, because not enough space is available in the target pool.
System action: The indicated restore process ends.
User response: Make more space available in the target primary storage pool, and then reissue the restore command.

ANR1248E  Command: Process process ID terminated - insufficient recovery log space is not available.
Explanation: During restore processing, the server runs out of recovery log space.
System action: The indicated restore process ends.
User response: If necessary, make more server recovery log space available.

ANR1249E  Command: Process process ID terminated - sufficient database space is not available.
Explanation: During restore processing, the server runs out of database space.
System action: The indicated restore process ends.
User response: If necessary, make more server database space available.

ANR1250E  Command: Process process ID terminated - lock conflict.
Explanation: During restore processing, the server needs to obtain a lock that is not available.
System action: The indicated restore process ends.
User response: Reissue the restore command.

ANR1251E  Command: Process process ID terminated - thread resource not available.
Explanation: During restore processing, the server cannot start a thread.
System action: The indicated restore process ends.
User response: Reissue the restore command. If the error persists, it may indicate a shortage of server memory.

ANR1252E  Command: Process process ID terminated - sufficient memory is not available.
Explanation: During restore processing, there is not enough server memory available.
System action: The indicated restore process ends.
User response: If necessary, make more memory available to the server; and then reissue the restore command.

ANR1253E  Command: Process process ID terminated - internal server error detected.
Explanation: During restore processing, the server encounters an internal error.
System action: The indicated restore process ends.
User response: Contact your service representative.

ANR1254I  Removable volume volume name is required for restore processing.
Explanation: During processing of a RESTORE STGPOOL or RESTORE VOLUME command, the server determines that a removable volume is required.
System action: Unless this is a preview process, the server attempts to mount the removable volume.
**User response:** Respond to any mount request for the indicated volume.

**Explanation:** During processing of a RESTORE STGPOOL or RESTORE VOLUME command, files on a copy storage pool volume cannot be restored because of the volume’s access mode.

**System action:** The server continues restore processing, but skips the indicated volume.

**User response:** If the volume is stored at an offsite location, bring the volume onsite. Use the UPDATE VOLUME command to change the access mode for the volume and restart the restore command.

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**ANR1256W** Volume volume name contains files that could not be restored.

**Explanation:** During processing of a RESTORE STGPOOL or RESTORE VOLUME command, the server determines that the indicated volume contains one or more files that could not be restored. If this is a preview operation, this message indicates that a restorable backup copy cannot be found for one or more files on the indicated volume. If this is an actual restore operation, this message could result if any of the following conditions exist for a file on the indicated volume:

- A restorable backup copy cannot be found for the file.
- A restorable backup copy of the file exists, but is located on a copy storage pool volume whose access mode is unavailable or offsite.
- During restore processing, a backup copy was selected for restore processing, but was deleted or moved before the file was actually restored. This action could occur as a result of MOVE DATA, DELETE VOLUME, AUDIT VOLUME FIX=YES, or reclamation processing of a copy storage pool volume while the restore was in progress.
- A restorable backup copy of the file exists, but is on a copy storage pool volume that cannot be accessed since no drive path exists.

**System action:** None.

**User response:** If this was an actual restore operation, check for messages indicating that files could not be restored because a copy storage pool volume was unavailable or offsite. Check to see if a move data, delete volume, audit volume, or reclamation process occurred for a copy storage pool volume while the restore was in progress. If either of these conditions existed, correct the situation and reissue the restore command.

---

**ANR1258W** Files on volume volume name needed for move data cannot be accessed - access mode is "unavailable", "offsite", or "destroyed".

**Explanation:** During a move data operation, files on a storage pool volume cannot be copied because of the volume’s access mode. The server cannot move data on a volume that has an access mode of "unavailable", "offsite", or "destroyed".

**System action:** The server continues move data processing, but one or more files were not moved from the volume.

**User response:** If the specified volume can be made available, use the UPDATE VOLUME command to change the access mode for the volume and reissue the MOVE DATA or MOVE NODEDATA command.

---

**ANR1259W** Files on volume volume name needed for offsite reclamation cannot be accessed - access mode is "unavailable" or "offsite".

**Explanation:** During reclamation processing of an offsite volume, files on a storage pool volume cannot be copied because of the volume’s access mode.

**System action:** The server continues reclamation, but one or more files were not moved from an offsite volume, which prevents it from being reclaimed.
User response: If the specified volume can be made available, use the UPDATE VOLUME command to change the access mode for the volume and initiate reclamation again by updating the reclamation threshold for the copy storage pool.

---

ANR1260W  Volume volume name contains one or more damaged, primary files.

Explanation: This message is issued during RESTORE STGPOOL processing. The indicated volume contains one or more primary, noncached files that have previously been found to be damaged.

System action: If this is not a preview operation, the restore processing attempts to restore the damaged files from copies located in a copy storage pool. If this is a preview operation, no system action is taken.

User response: You can take the following actions:
- Issue the QUERY CONTENT command with DAMAGED=YES to obtain a list of damaged files on the indicated volume.
- Audit the indicated volume with FIX=NO to verify that the files are damaged; the audit will reset the status of any files that are found to be undamaged during the audit.
- If this message was issued during a restore preview operation, attempt to restore the damaged files using the RESTORE STGPOOL command.
- Audit the indicated volume with FIX=YES to delete the damaged files from the database.

---

ANR1261W  command: Processing completed successfully.

Explanation: The background process to service the command command has completed successfully.

System action: Processing for the command completes. Statistics on the number and type of objects moved, together with the total number of bytes copied, are displayed on the server console following this message.

User response: None.

---

ANR1264I  Command: Processing canceled before completion.

Explanation: The background process to service the command command has been canceled with the CANCEL PROCESS command.

System action: Processing for the command command ends. Statistics on the number and type of objects moved, together with the total number of bytes copied, are displayed on the server console following this message.

User response: None.

---

ANR1265E  Salvage volume command: Processing terminated abnormally - error accessing data storage.

Explanation: The server encountered an internal error in accessing data storage while executing a salvage volume operation.

System action: The operation is ended and server operation continues.

User response: Use the QUERY ACTLOG command to examine messages prior to this error to determine the cause of the data storage failure. If you find and resolve the error, retry the operation. If you cannot find the error, contact your service representative for assistance in resolving the problem.

---

ANR1266E  Salvage volume command: Processing terminated abnormally - volume not a storage pool volume.

Explanation: The server encountered an internal error in accessing data storage while executing a salvage volume operation. The error occurred because an attempt has been made to access a volume that was not a storage pool volume.

System action: The command command operation is ended and server operation continues.

User response: Issue the command with a valid volume name.

---

ANR1267I  Salvage volume command: Processed number volumet(s).

Explanation: The background process to service the command Salvage volume command inspected number input volumes.

System action: Salvage processing for the command completes. Server operation continues.

User response: None.

---

ANR1268I  Salvage volume command: Recovered number byte(s).

Explanation: The background process to service the command Salvage volume command recovered number bytes worth of data.

System action: Salvage processing for the command completes. Server operation continues.

User response: None.

---

ANR1269I  Salvage volume command: Recovered number file(s).

Explanation: The background process to service the command Salvage volume command recovered number files.

User response: None.
**ANR1270I • ANR1277E**

**System action:** Salvage processing for the command completes. Server operation continues.

**User response:** None.

---

**ANR1270I**  
*Salvage volume command:* File (internal file identifier) recovered.

**Explanation:** The background process to service the command *Salvage volume command* recovered a file. The new file was given a new, system generated name based on the internal file identifier and the name of the volume from which the file was recovered. The internal file identifier is the identifier by which the file was known to the server before the file was deleted.

**System action:** Salvage processing for the command completes. Server operation continues.

**User response:** None.

---

**ANR1271I**  
*Salvage volume command:* number bytes recovered from volume volume.

**Explanation:** The background process to service the command *Salvage volume command* recovered a file from the volume volume. The number of bytes recovered from the volume is listed.

**System action:** Salvage processing for the command completes. Server operation continues.

**User response:** None.

---

**ANR1272I**  
*Salvage volume command:* File is complete - it began and ended on volume volume.

**Explanation:** The background process to service the command *Salvage volume command* recovered a file from the volume volume. The file was completely contained on volume.

**System action:** Salvage processing for the command completes. Server operation continues.

**User response:** None.

---

**ANR1273I**  
*Salvage volume command:* File is incomplete - it began on volume volume but did not end.

**Explanation:** The background process to service the command *Salvage volume command* recovered a file from the volume volume. The file was not completely contained on volume. Although the file began on this volume, it spanned out to a different volume.

**System action:** Salvage processing for the command completes. Server operation continues.

**User response:** None.

---

**ANR1274I**  
*Salvage volume command:* File is incomplete - it ended on volume volume but did not begin there.

**Explanation:** The background process to service the command *Salvage volume command* recovered a file from the volume volume. The file was not completely contained on volume. Although the file ended on this volume, it spanned in from a different volume.

**System action:** Salvage processing for the command completes. Server operation continues.

**User response:** None.

---

**ANR1275I**  
*Salvage volume command:* File is incomplete - it did not began or end on volume volume.

**Explanation:** The background process to service the command *Salvage volume command* recovered a file from the volume volume. The file was not completely contained on volume. It spanned in from one volume and spanned out to another.

**System action:** Salvage processing for the command completes. Server operation continues.

**User response:** None.

---

**ANR1276E**  
Command: Process terminated - sufficient memory is not available.

**Explanation:** During salvage processing, not enough server memory is available.

**System action:** The salvage process ends.

**User response:** If necessary, make more memory available to the server, and then reissue the salvage command.

---

**ANR1277E**  
Command: Process terminated - the default management class in the active policy set in policy domain domain name does not contain an archive copy group. Unable to continue with salvage.

**Explanation:** The background process to service the command *Salvage volume command* was unable to recover any files because the default management class in the active policy set in policy domain does not contain an archive copy group.

**System action:** The salvage process ends.

**User response:** Add an archive copy group to the default management class in the active policy set of the specified domain, and then reissue the salvage command.
<table>
<thead>
<tr>
<th>ANR1278I</th>
<th>Occupancy is incorrect for storage pool (storage\ pool\ name). Occupancy is being reset.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The server has detected incorrect occupancy information.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The server recalculates the occupancy value based on current storage pool information.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR1279I</th>
<th>Occupancy is incorrect for volume name (volume\ name). Occupancy is being reset.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The server has detected incorrect occupancy information.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The server recalculates the occupancy value based on current sequential volume information.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR1280E</th>
<th>Command: Process process ID terminated - transaction aborted.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During backup processing, the server detected an error while attempting to commit a transaction. This message should be preceded by other messages that give additional information about the failed transaction.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The indicated backup process ends.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Check for additional messages and eliminate the condition that caused the failed transaction.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR1281E</th>
<th>Command: Process process ID terminated - transaction aborted.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During restore processing, the server detected an error while attempting to commit a transaction. This message should be preceded by other messages that give additional information about the failed transaction.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The indicated restore process ends.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Check for additional messages and eliminate the condition that caused the failed transaction.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR1282I</th>
<th>Logical occupancy is incorrect for storage pool (storage\ pool\ name). Logical occupancy is being reset.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The server has detected incorrect logical occupancy information.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The server recalculates the logical occupancy value based on current storage pool information.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR1283I</th>
<th>File count is incorrect for storage pool (storage\ pool\ name) - file count is being reset.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The server has detected an incorrect count of the number of files within this storage pool.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The server will correct this information.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR1284I</th>
<th>Move node data started as process (process\ ID).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A process has been started to move data by node.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The indicated process has started.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>To query the progress of the process, use the QUERY PROCESS command. To cancel the background process, use the CANCEL PROCESS command. Use the process ID number to specify this process.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR1288I</th>
<th>Move node data process (process\ ID) ended for storage pool (storage\ pool\ name).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A move node data process for the named storage pool has ended.</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>ANR1289I</th>
<th>Move node data process (process\ ID) terminated for the storage pool (storage\ pool\ name) - process canceled.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During move node data processing in the indicated storage pool, the process performing the move node data has been canceled.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>If other move node data processes are executing for the storage pool, these processes continue.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR1290I</th>
<th>The process of moving node data from the (storage\ pool\ name) (storage\ pool) to the (storage\ pool\ name) (storage\ pool) is complete. Number of files moved: (number\ of\ moved\ files). Number of bytes moved: (number\ of\ moved\ bytes). Number of deduplicated bytes moved: (number\ of\ moved\ dedup\ bytes). Number of unreadable files: (number\ of\ unreadable\ files). Number of unreadable bytes: (number\ of\ unreadable\ bytes).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The process of moving node data for the specified storage pool ended with the displayed results.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>
User response: Examine previous messages to determine whether all of the move node data processes ended successfully.

ANR1291E  Audit command: Incorrect information detected in a schedule event record for node nodename, domain domain, schedule schedule. Specify FIX=YES to delete the record.

Explanation: A database audit process detects incorrect information for a schedule event record.

System action: Audit processing continues.

User response: None.

ANR1292E  Audit command: Incorrect information detected in a schedule event record for node nodename, domain domain, schedule schedule. The record will be deleted.

Explanation: A database audit process detects incorrect information for a schedule event record. The record will be deleted. A subsequent QUERY EVENT will report this event as "Missed."

System action: Audit processing continues.

User response: None.

ANR1293E  Space-reclamation process process number: Fifty files in offsite storage-pool volumes do not have copies in accessible storage pools.

Explanation: More files in offsite storage-pool volumes might exist for which copies cannot be located. If this is the case, message ANR1173E is not displayed.

System action: The Tivoli Storage Manager server skips files that do not have copies. The server does not move the files from offsite storage-pool volumes.

User response: To view detailed information about all the files that are skipped during the space-reclamation process, enable trace AFUNAVAILABLE and look in the trace log.

ANR1294I  Process process ID skipped skipped files on volume volume name because of deduplicated files.

Explanation: While moving or copying files from the sequential FILE volume shown to a DISK storage pool, files that had deduplicated extents were encountered. As a result, the files were skipped.

The sequential FILE volume shown is assigned to a storage pool that has deduplication enabled or at one time had deduplication enabled. Some of the files on the volume have deduplicated extents and can not be moved or copied to the DISK storage pool.

System action: The server moves or copies all files from the volume that do not have deduplicated extents. Those files that do have deduplicated extents are skipped.

User response: If attempting a MOVE DATA/NODEDATA to move the files with deduplicated extents to the DISK storage pool, one must first perform a MOVE DATA/NODEDATA to another sequential storage pool that does not have deduplication enabled. This move will restore the deduplicated files to their complete state in the target storage pool. Once all deduplicated data has been moved, perform a MOVE DATA or MOVE NODEDATA to the DISK storage pool from the target storage pool. It is recommended to use a FILE storage pool as the target.

If attempting a RESTORE STGPOOL/VOLUME to copy the files with deduplicated extents, one must first perform a RESTORE STGPOOL/VOLUME to another sequential storage pool that does not have deduplication enabled. This will restore the deduplicated files to their complete state in the target storage pool. Once all deduplicated data has been restored, perform a MOVE DATA/NODEDATA to the DISK storage pool from the target storage pool. It is recommended to use a FILE storage pool as the target.

ANR1295W  An attempt to set end reclamation date for WORM volume volume name to end reclamation date failed. end reclamation date set to SnapLock retention date.

Explanation: Tivoli Storage Manager computes and attempts to set the end reclamation date for a volume based on the RETMIN and RETVER COPYGROUP attributes. When setting the end reclamation date for the named volume, the Network Appliance SnapLock file system was unable to fulfill the request. It was, however, able to set the date to the Snaplock retention date, which is farther in the future than the requested date. This is probably due to how the SnapLock NAS file server's retention date is configured.

This warning message is only issued once per volume, when this condition is detected when data is first placed on the volume.

System action: The operation continues.

User response: Verify that the Tivoli Storage Manager COPYGROUP attributes and the retention settings of the Network Appliance file system are consistent with your requirements for WORM volume storage.

ANR1296W  Storage pool storage pool name does not contain WORM FILE volumes.

Explanation: This message might be issued during the definition or updating of a storage pool, or during BACKUP or RESTORE STGPOOL commands, or in
other such situations when it is determined that data on WORM volumes might be moved to other media. It names a storage pool that does not contain WORM FILE volumes.

When it is issued during the DEFINE and UPDATE STGPOOL commands, it indicates that the storage pool being defined or updated is being configured with WORM FILE volumes (Reclamationtype is SnapLock), but other storage pools being specified on the storage pool definition (for example, the Next or Reclaim or Copy storage pool parameters) do not contain WORM FILE volumes (Reclamationtype is Threshold). Such configurations might cause data on those WORM FILE volumes to be moved to a storage pool that does not support WORM FILE volumes.

For other situations, this message might be issued when there will be a movement of data from a storage pool with WORM FILE volumes (Reclamationtype is SnapLock) to a storage pool that does not have WORM FILE volumes (Reclamationtype is Threshold).

The server allows this type of movement, but the customer needs to be aware that if data is moved from a WORM FILE volume to another type of media, the data may no longer be protected from inadvertent or malicious deletion. In addition, if this data is on WORM volumes to meet data retention and protection requirements for certain legal purposes and is moved to other media, the data might no longer meet those requirements.

**System action:** The command continues.

**User response:** Verify that the storage pools being used meet your requirements for data protection and retention.

---

**ANR1298W** The server encountered an error in attempting to delete an object in a Centera storage device. The Centera representation of the name is Centera object string. The server was keeping track of the object in volume id volume id. The return code received was return code.

**Explanation:** A partial object retrieve was attempted on a file that was stored in a format that does not support partial object retrieves.

**System action:** The transaction ends and the retrieve request fails.

**User response:** Try the retrieve again, using a regular or full retrieve instead of a partial object retrieve.

---

**ANR1299E** The server encountered an invalid storage format while attempting a partial object retrieve for object seg_id.

**Explanation:** Defining storage pools with RECLAMATIONTYPE=SNAPLOCK is only supported on a server with archive data retention protection enabled.

**System action:** The define storage pool command fails.

**User response:** Define the storage pool with RECLAMATIONTYPE=THRESHOLD on this server. Or else enable archive data retention protection on this server, and try the command again.

---

**ANR1300I** VARY ONLINE command initiated for disk volume volume name.

**Explanation:** A VARY ONLINE command has caused a vary-on process to be started for the volume specified.

**System action:** The volume is varied online.

**User response:** None.

---

**ANR1301I** VARY OFFLINE command initiated for disk volume volume name.

**Explanation:** A VARY OFFLINE command has caused a vary-off process to be started for the volume specified.

**System action:** The volume is varied offline.

**User response:** None.
ANR1303E Disk volume volume name is already offline.

Explanation: A VARY OFFLINE command specified a volume that was already offline.

System action: None.

User response: None.

ANR1304E Disk volume volume name is currently in use.

Explanation: A VARY OFFLINE command specified a volume that is currently in use and cannot be varied offline at this time.

System action: None.

User response: Try the command again at a later time, or attempt to determine how it is currently being used and free it.

ANR1305I Disk volume volume name varied online.

Explanation: The specified volume has been varied online as the result of a VARY ONLINE command.

System action: None.

User response: None.

ANR1306I Disk volume volume name varied online (read-only).

Explanation: The specified volume has been varied online in read-only mode as the result of a VARY ONLINE command.

System action: None.

User response: None.

ANR1307I Disk volume volume name varied offline.

Explanation: The specified volume has been varied offline as the result of a VARY OFFLINE command.

System action: None.

User response: None.

ANR1308W Storage agent not synchronized with server - restart needed.

Explanation: The storage agent has detected that a policy, storage pool, device class, or other attributes that is read from the server at initialization is no longer valid.

System action: The operation of the storage agent continues. Depending upon what has changed on the server the storage agent behavior may be unpredicatable and other failures may result.

User response: The storage agent should be halted and restarted to synchronize the storage agent with the server.

ANR1309W Shred value zero for storage pool storage pool name may render deleted data non shreddable.

Explanation: This message is issued during the define or update of a storage pool when a SHRED value of zero has been found with a storage pool in the storage pool hierarchy.

The server allows this type of operation, but the administrator needs to be aware that if data is stored or moved to the affected storage pool, the data cannot be shredded after deletion.

When it is issued during the DEFINE command, it indicates that the storage pool definition is being configured with a non zero SHRED value, however other storage pools being specified on the definition (for example, the Next or Reclaim or Copy storage pool parameters) have a SHRED value of zero.

When issued during the UPDATE command, it indicates the specified storage pool may be altering the SHRED value from non zero to zero or that the specified Copy, Next or Reclaim storage pool has a SHRED value zero. Such configurations may result in data to become non shreddable if data from the primary random access storage pool is moved to one of the storage pools with a zero SHRED value.

System action: The command continues.

User response: Verify that the storage pools being used meet your requirements for data protection.

ANR1310E Vary-on failed for disk volume volume name - insufficient memory.

Explanation: A VARY ONLINE command has been issued for the disk volume specified, but sufficient memory is not available to process the command.

System action: The volume is not varied online.

User response: Reissue the command at a later time, or make more memory available to the server.

ANR1311E Vary-on failed for disk volume volume name - unable to access disk device.

Explanation: A VARY ONLINE command has been issued for the disk volume specified, but the server is unable to access the disk.

System action: The volume is not varied online.

User response: Attempt to determine the cause of the inability to access the volume and correct the problem.
ANR1312E Vary-on failed for disk volume *volume name* - error reading disk.

**Explanation:** A VARY ONLINE command has been issued for the disk volume specified but the server encounters an error reading the disk.

**System action:** The volume is not varied online.

**User response:** Attempt to determine the cause of the read error and correct the problem.

ANR1313E Vary-on failed for disk volume *volume name* - unsupported block size (*block size*).

**Explanation:** A VARY ONLINE command has been issued for the disk volume specified, but the volume is formatted with a block size that cannot be used.

**System action:** The volume is not varied online.

**User response:** Reformat the disk with a block size that is an evenly divisible by 4096.

ANR1314E Vary-on failed for disk volume *volume name* - reduced capacity (was *count blocks*, now *count blocks*).

**Explanation:** A VARY ONLINE command has been issued for the disk volume specified, but the size of the volume does not match the size expected.

**System action:** The volume is not varied online.

**User response:** Restore the volume or otherwise correct the disk volume size, and reissue the command.

ANR1315E Vary-on failed for disk volume *volume name* - invalid label block.

**Explanation:** A VARY ONLINE command has been issued for the disk volume specified, but the label block of the volume is invalid or cannot be read.

**System action:** The volume is not varied online.

**User response:** Restore or reformat the disk volume.

ANR1316E Vary-on failed for disk volume *volume name* - internal error detected.

**Explanation:** A VARY ONLINE command has been issued for the disk volume specified, but fails due to an internal server error.

**System action:** The volume is not varied online.

**User response:** Contact your service representative.

ANR1317E Command: Storage pool *storage pool name* is not a shreddable pool.

**Explanation:** The command indicated specifies the name of a storage pool which is not a shreddable pool. The command syntax requires that SHREDTONOSHRED=YES be specified when data is moved from a shreddable storage pool to a non shreddable storage pool.

**System action:** The server does not process the command.

**User response:** Reissue the command with SHREDTONOSHRED=YES.

ANR1318I The process of copying active data from the primary pool *primary storage pool name* to the active data pool *active data pool name* active data pool is complete. Number of copied files: *number of copied files*. Number of copied bytes: *number of copied bytes*. Number of copied deduplicated bytes: *number of copied dedup bytes*. Number of unreadable files: *number of unreadable files*. Number of unreadable bytes: *number of unreadable bytes*.

**Explanation:** The process of copying active data for the specified storage pool ended with the displayed results.

**System action:** None.

**User response:** Examine previous messages to determine whether all copy active data processes ended successfully.

ANR1319I The preview of copying active data from the primary pool *primary storage pool name* to the active data pool *active data pool name* active data pool is complete. Number of files copied: *number of copied files*. Number of copied bytes: *number of copied bytes*. Number of copied deduplicated bytes: *number of copied dedup bytes*.

**Explanation:** The preview of copy active data processing for the specified storage pool ended with the displayed results.

**System action:** None.

**User response:** No action is required.

ANR1320W Vary-on not possible for disk volume *volume name* - access state is "unavailable".

**Explanation:** A VARY ONLINE command has been issued for the disk volume specified, but the status of the volume is unavailable.

**System action:** The volume is not varied online.
**ANR1321W • ANR1330E**

**User response:** If necessary, use the UPDATE VOLUME command to change the status of the volume, and reissue the command.

**ANR1321W** Vary-on not possible for disk volume volume name - access state is "destroyed".

**Explanation:** A VARY ONLINE command has been issued for the disk volume specified, but the status of the volume is destroyed.

**System action:** The volume is not varied online.

**User response:** If necessary, use the UPDATE VOLUME command to change the status of the volume, and reissue the command.

**ANR1322W** The shredding mode is already shredding mode.

**Explanation:** A SETOPT SHREDDING command was issued to change the shredding mode, but the new mode is the same as the existing mode.

**System action:** The shredding mode is unchanged.

**User response:** None.

**ANR1323E** Command SHRED DATA is invalid for automatic shredding mode.

**Explanation:** A SHRED DATA command was issued while shredding mode is set to Automatic.

**System action:** The command is ignored.

**User response:** Set the shredding mode to Manual or wait for automatic shredding to shred the data.

**ANR1324E** Process process number is already running a SHRED DATA.

**Explanation:** A SHRED DATA command was issued while another SHRED DATA process is still executing. Only a single SHRED DATA process is allowed at any time.

**System action:** The command is ignored.

**User response:** Wait for the current SHRED DATA process to finish, and issue the command again.

**ANR1325W** Shreddable object for node name type type, file space=filespace name, object=object name skipped.

**Explanation:** The object for node name, identified by type, file space and object name was found in a shreddable storage pool and is skipped, however the EXPORT continues.

**System action:** The server process continues exporting and will skip all shreddable objects.

**User response:** Specify the ALLOWSHREDDABLE=YES parameter when exporting objects from a shreddable storage pool. Using this option forces EXPORT to process all objects, including objects found in shreddable storage pools.

**ANR1326I** Shredding process complete after shredding shredded bytes bytes and skipping skipped bytes bytes.

**Explanation:** The shredding process has completed. The amount of data successfully shredded and the amount of data that was skipped are reported.

**System action:** Server operation continues. If any data was skipped, the server will attempt to shred it the next time shredding runs.

**User response:** None.

**ANR1327I** Automatic shredding started.

**Explanation:** The automatic shredding of deleted objects is starting.

**System action:** Server operation continues.

**User response:** None.

**ANR1328E** The server has detected an attempt to restore or retrieve a shredded object.

**Explanation:** An attempt was made to retrieve or restore an object which has already been shredded. This can happen if your database was recently restored, and data which existed at the time of the database backup has since been erased and shredded.

**System action:** Server operation continues.

**User response:** Perform an AUDIT VOLUME operation on the volume containing the shredded data.

**ANR1329I** Automatic shredding started.

**Explanation:** The automatic shredding of deleted objects is starting.

**System action:** Server operation continues.

**User response:** None.

**ANR1330W** The server has detected possible corruption in an object that is being restored or moved. The actual values for the incorrect frame are: magic magic hdr version ver hdr length hdrLen sequence number seqNum data length length server ID srvid segment ID seqId crc crc.
ANR1331E  Invalid frame detected. Expected magic sequence number seqNum server id servId segment id segId.

Explanation:  This message indicates the expected values when an invalid frame is detected.
System action:  None.
User response:  If contacting support, please provide the information from this message.

ANR1332W  Shredding cancelled prior to completion. Total bytes shredded was shredded bytes and total bytes skipped was skipped bytes bytes.

Explanation:  The shredding process was cancelled either because the specified duration has elapsed, or because the CANCEL PROCESS command was used to cancel it. The amount of data successfully shredded and skipped is reported.
System action:  Server operation continues. If any data was skipped or not processed, the server will attempt to shred it the next time shredding runs.
User response:  None.

ANR1333E  command: Database database name cannot be the target of an upgrade because it is not empty.

Explanation:  The DSMSERV INSERTDB operation cannot insert data into the specified database because the database already contains data from another server. Possible causes for this error include:
• The wrong database was specified in the DATABASEALIAS option in the server’s options file.
• The database was formatted using the DSMSERV FORMAT command instead of the DSMSERV LOADFORMAT command.
System action:  The DSMSERV INSERTDB command terminates.
User response:  Verify that the correct database name is specified in the server’s options file. If the correct database is specified, and the database is not in use by a different TSM server, then drop the database and recreate it using the DSMSERV LOADFORMAT command before rerunning the DSMSERV INSERTDB command.

ANR1336I  command: Ready for connections from the source server. Remaining time: remaining time

Explanation:  The command has completed its initialization, and is ready to begin receiving database information from the source server.
System action:  The command will continue to wait until the source server establishes a server-to-server connection and begins sending database information, or until the specified amount of time has passed.
User response:  Initiate a session from the source server.

ANR1337I  A trigger type trigger has been removed.

Explanation:  The DSMSERV INSERTDB command encountered a database backup trigger, a database space trigger, or recovery log space trigger, and removed it as part of the database upgrade process.
System action:  The trigger is deleted from the upgraded database.
User response:  None.

ANR1338E  One or more constraint violations were detected. Examine log file log file name for details.

Explanation:  The DSMSERV INSERTDB command encountered one or more instances where data being inserted into the database violated a constraint or was otherwise invalid. Information about the error, along with the data that caused the error, was logged in the specified log file.
System action:  The offending row was not inserted into the database. Instead, the contents of the row were written to the specified log file along with additional information about the specific error.
User response:  Because some data was not inserted into the database, the database is in an inconsistent state. The server should not be started until the problem is corrected. Contact your service representative for assistance in correcting the problem. You may be directed to examine the log file, and in some cases, correct the erroneous data and insert it into the database. However, due to the sensitive nature of the database, you should never attempt to do this unless directed to do so by your service representative.
**ANR1339W**  Session session id underestimated a size allocation request - additional space MB more space was allocated to allow the operation to continue.

**Explanation:** This session required additional space megabytes of space in order for the operation to continue. The client is responsible for accurately reporting the size of a file to be stored to the server. The size reported by the client is used to reserve space in the DISK storage pool to store this file. If this size is underestimated, the server may not be able to allocate the additional space needed for this file to continue with this operation.

**System action:** None, the operation was able to continue.

**User response:** The installed version of the client for this node should be evaluated. In most cases, if a client has underestimated the sizes of files reported to the server, this may have been corrected in a newer version of the client. If this is an application using the TSM API that is not an IBM product, contact the vendor for the application to have this corrected.

**ANR1340I**  Scratch volume volume name is now defined in storage pool storage pool name.

**Explanation:** The scratch volume specified has been added to the storage pool shown.

**System action:** None.

**User response:** None.

**ANR1341I**  Scratch volume volume name has been deleted from storage pool storage pool name.

**Explanation:** The scratch volume specified is no longer in use and has been removed from the indicated storage pool.

**System action:** None.

**User response:** None.

**ANR1342I**  Scratch volume volume name is now pending - volume will be deleted from storage pool storage pool name after the reuse delay period for this storage pool has elapsed.

**Explanation:** All files have been deleted from the indicated scratch volume. The volume will not be removed from the storage pool until the reuse delay time period for the indicated storage pool has elapsed. If the storage pool does not have a reuse delay specified, the indicated volume was emptied after it had been requested by another process. It will be in the full or filling state if the process places more data on the tape, or it will be removed from the storage pool after it is no longer required.

**System action:** None.

**User response:** None.

**ANR1343I**  Unable to delete scratch volume volume name.

**Explanation:** A scratch volume cannot be deleted from the server and returned to scratch at this time because all the locks have not be released. A number of retries have been attempted.

**System action:** None

**User response:** The scratch volume will be automatically deleted when the server is restarted. Or, you may manually delete this volume later, using the DELETE VOLUME command.

**ANR1344I**  Volume volume name cannot be reused. Remove the volume from server storage.

**Explanation:** A volume that was full and is now empty cannot be reused by the server because the volume is on WORM media.

**System action:** The volume is in a state where the access mode is READONLY, the status is FULL, and the percent utilized is 0. The server considers the volume to be empty when calculating the occupancy and utilization fields for the volume.

**User response:** The volume remains in the library and in the storage pool, with the attributes described in the System Action section. If this is not a volume in a RECLAMATIONTYPE=SNAPLOCK storage pool, you may remove the volume by performing these steps:
1. Remove the volume from the storage pool by issuing the DELETE VOLUME command.
2. Remove the volume from the library by issuing the CHECKOUT LIBVOLUME command.

If this is a volume in a RECLAMATIONTYPE=SNAPLOCK storage pool, you cannot remove the volume. Rather, allow Tivoli Storage Manager reclamation processing to delete the volume.

**ANR1345I**  Volume volume name cannot be reused by other applications and will remain in the storage pool.

**Explanation:** A WORM (write-once-read-many) volume that has been written by the server cannot be used by other applications. This volume was not full and has been emptied due to expiration, delete commands, or transaction failure.

**System action:** The volume remains in the storage pool to be reused by IBM Tivoli Storage Manager, unless it is manually deleted. The remaining space on the volume will be used in the normal course of server operation.

**User response:** If the volume is no longer to be used,
manually delete it from the storage pool.

**ANR1346E** Export/import command: Preview processing terminated abnormally - error accessing data storage.

**Explanation:** The server encountered an internal error in accessing data storage while executing an import or export preview operation.

**System action:** The export or import operation is ended and server operation continues.

**User response:** Use the QUERY ACTLOG command to examine messages prior to this error to determine the cause of the data storage failure. If you find and resolve the error, retry the export or import operation. If you cannot find the error, contact your service representative for assistance in resolving the problem.

**ANR1347E** Export/import command: Processing terminated abnormally - error accessing data storage.

**Explanation:** The server encountered an internal error in accessing data storage while executing an import or export operation.

**System action:** The export or import operation is ended and server operation continues.

**User response:** Use the QUERY ACTLOG command to examine messages prior to this error to determine the cause of the data storage failure. If you find and resolve the error, retry the export or import operation. If you cannot find the error, contact your service representative for assistance in resolving the problem.

**ANR1348I** Export Operation information for number objects has been deleted.

**Explanation:** A background server process deleted export operation information for number files from the server database. This process started during initialization to remove any unneeded export information.

**System action:** The actual backup or archive objects were not deleted. Only the information used to sort these objects during the previous export operation was deleted.

**User response:** None.

**ANR1349E** Error code during deletion of export operation information for number objects.

**Explanation:** A background server process encountered an internal error after deleting export operation information for number files from the server database. This process started during initialization to remove any sorting information which is left over from previous export operations.

**System action:** The backup or archive objects were not deleted. Only the information used to sort these objects during the previous export operation was deleted. The background process was terminated before all sorting information was deleted. The system will not perform further export processing of file data until this problem is resolved.

**User response:** Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages, then restart the server. If the error cannot be isolated and resolved, contact your service representative.

**ANR1350E** Command: Invalid time range specified. FROM: fromdate fromtime TO: todate totime.

**Explanation:** A command was issued that specifies an invalid FROM and TO date or time range. This error can occur when the FROM date or time is not before the TO date or time.

**System action:** The server does not process the command.

**User response:** Reissue the command with a valid date or time range.

**ANR1351I** Export/import command: Processing suspended with status status.

**Explanation:** The background process to service the command command was suspended with a SUSPEND command.

**System action:** Processing for the command command stops. Statistics on the number and type of objects moved, together with the total number of bytes copied, are displayed on the server console following this message.

**User response:** None.

**ANR1352I** Command started by administrator name as process process ID has been suspended.

**Explanation:** The background process to service the command command by administrator administrator name suspended processing.

**System action:** The specified process suspends, and server operations continue.

**User response:** None.
ANR1353I  Command: Cannot cancel the EXPORT operation with export identifier exportId. The operation is currently active.

Explanation: The server cannot cancel the export operation specified in the CANCEL EXPORT command because it is currently running as an active process.

System action: Server operations continue.

User response: Only suspended EXPORT operations may be cancelled by issuing the CANCEL EXPORT command. Issue the QUERY EXPORT command to identify the current state of the EXPORT operation.

ANR1354I  command name: The EXPORTIDENTIFIER parameter is not supported when the FILEDATA parameter is set to NONE. Running as non-restartable export.

Explanation: The EXPORTIDENTIFIER parameter is ignored while the command continues.

System action: The command runs and server operations continue.

User response: None.

ANR1355I  command name: An export operation already exists with the EXPORTIDENTIFIER export ID.

Explanation: The export command fails.

System action: The command fails and server operations continue.

User response: Reenter the export command with an unused export identifier.

ANR1356I  Command: Cannot restart the EXPORT operation with export identifier exportId. The operation is currently active.

Explanation: The server cannot restart the export operation specified in the RESTART EXPORT command because the export operation is currently running as an active process.

System action: Server operations continue.

User response: Only suspended Export operations may be restarted using RESTART EXPORT command. Issue the QUERY EXPORT command to identify the current state of the EXPORT operation.

ANR1357I  command name: The EXPORTIDENTIFIER parameter is not supported when the PREVIEWIMPORT parameter is specified. Running as non-restartable export.

Explanation: The EXPORTIDENTIFIER parameter is ignored while the command continues.

ANR1358I  Export Identifier: Export Id

Explanation: This is a restartable export operation that can be referenced by the displayed EXPORTIDENTIFIER parameter.

System action: Server operations continue.

User response: None.

ANR1359I  Suspend in progress

Explanation: The server-to-server export operation has been suspended and will stop when resources have been freed for the background process. This message may be displayed in response to a QUERY PROCESS command for an export operation.

System action: Server operation continues.

User response: None.

ANR1360I  Output volume volume name opened (sequence number sequence number).

Explanation: During a sequential data operation, the volume specified has been opened for output as the volume number shown.

System action: None.

User response: None.

ANR1361I  Output volume volume name closed.

Explanation: During a sequential data operation, the volume specified has been closed because the export or dump is complete.

System action: None.

User response: None.

ANR1362I  Output volume volume name closed (full).

Explanation: During a sequential data operation, the volume specified has been closed because the volume is full.

System action: None.

User response: None.

ANR1363I  Input volume volume name opened (sequence number sequence number).

Explanation: Because of a sequential data operation, the volume specified has been opened for input as the volume number shown.
**ANR1364I**  
Input volume `volume name` closed.

**Explanation:** During a sequential data operation, the volume specified has been closed because the operation is complete.

**System action:** None.

**User response:** None.

**ANR1365I**  
Volume `volume name` closed (end reached).

**Explanation:** During a sequential data operation, the volume specified has been closed because processing of the volume is complete.

**System action:** None.

**User response:** None.

**ANR1366W**  
Input volume `volume name` contains an invalid identifier.

**Explanation:** During a sequential data operation, the volume specified has been mounted but contains an invalid identifier.

**System action:** The volume is not used.

**User response:** Make sure you specified the correct volume for the operation. A Version 1 database dump may not be loaded into a Version 2 server. The Version 1 database dump must only be loaded into a Version 1 server.

**ANR1367W**  
Import volume `volume name` was written by a different export process.

**Explanation:** During an IMPORT operation, the volume specified has been mounted but contains an export identifier that does not match the import process.

**System action:** The volume is not used.

**User response:** Make more mount points available.

**ANR1368W**  
Input volume `volume name` contains sequence number `sequence number`; volume sequence number `sequence number` is required.

**Explanation:** During a sequential data operation, the volume specified has been mounted but contains the wrong volume sequence number.

**System action:** None.

**User response:** None.

**ANR1369E**  
Input volume `volume name` contains Version 1 dump.

**Explanation:** During a sequential data operation, the volume specified has been mounted but appears to contain a version 1 database dump.

**System action:** The volume is not used. The operation is terminated.

**User response:** Make sure you specified the correct volume for the operation. A Version 1 database dump may not be loaded into a Version 2 server. The Version 1 database dump must only be loaded into a Version 1 server.

**ANR1370E**  
Insufficient number of mount points available in device class `device class name`.

**Explanation:** During IMPORT or EXPORT processing, the server cannot allocate sufficient mount points for the device class specified. The device class associated with the EXPORT or IMPORT drive only has a mount limit of one. The operation needs to read or write file data from or to the same device class because file data is being imported or exported.

**System action:** The IMPORT or EXPORT command is ended and server operation continues.

**User response:** Make more mount points available.

**ANR1371I**  
Command: The export operation with export identifier `Export Id` has been deleted.

**Explanation:** The suspended server-to-server export operation has been deleted. This operation may no longer be restarted. This message is be displayed in response to a CANCEL EXPORT command.

**System action:** Server operation continues.

**User response:** None.

**ANR1372I**  
Suspend export request accepted for export process with export Identifier `Export Id` (process process ID).

**Explanation:** A SUSPEND EXPORT command has been entered for the specified server-to-server export process. Some processes will experience a delay before they suspend. This delay may be lengthy for processes that involve remote data movement.

**System action:** None.

**User response:** None.
ANR1373I  Process process Id for Command has been suspended on source server.
Explanation: The background import process has been suspended on the source server.
System action: The specified process ends, and server operation continues.
User response: None.

ANR1374I  Process process Id for Command has been canceled on source server.
Explanation: The background import process has been canceled on the source server.
System action: The specified process ends, and server operation continues.
User response: None.

ANR1375I  Command: Cannot suspend the export operation export Id because the current state is not valid.
Explanation: This message is returned in response to a SUSPEND EXPORT command which specified an export operation that is not currently suspendible. The export operation may not be running, or it may be in the process of being suspended.
System action: The specified command fails, and server operation continues.
User response: None.

ANR1376I  Analyst authority has been revoked for administrator administrator name.
Explanation: The DSMSERV INSERTDB command encountered an administrator with analyst authority, and revoked the authority as part of the database upgrade process.
System action: The analyst authority is revoked.
User response: None.

ANR1377I  Analyst authority has been revoked for administrator id administrator id.
Explanation: The DSMSERV INSERTDB command encountered an administrator with analyst authority, and revoked the authority as part of the database upgrade process.
System action: The analyst authority is revoked.
User response: None.

ANR1378I  command: No connection was received after session wait time minutes.
Explanation: The command waited the specified amount of time for the source server to connect, but no connection was established.
System action: The command terminates.
User response: Rerun the command. Either specify a larger value for the SESSWAIT parameter, or establish a connection from the source server more quickly.

ANR1379I  command: Read bytes bytes and inserted database entries database entries in elapsed time (read rate megabytes per hour).
Explanation: The command read the indicated number of bytes, and wrote the indicated number of database entries.
System action: None.
User response: None.

ANR1380I  The buffer pool monitor switch is enabled.
Explanation: The server has turned the buffer pool monitor switch to 'ON'.
System action: Server continues processing.
User response: No action is required.

ANR1381W  The buffer pool monitor switch is disabled 'OFF'. A manual update might be needed.
Explanation: The server failed to turn the buffer pool monitor switch to 'ON'.
System action: Server continues processing.
User response: No action is required at this time. But a manual update might be needed before executing command 'Q DBS' or 'Q DB F=D'. Refer to message 1139I.

ANR1382E  The server failed with error code return code when attempting to update a database parameter.
Explanation: Cannot update a database parameter with the value specified in the server options file.
System action: The server initialization fails.
User response: Examine the server messages issued prior to this message to determine the source of the error. Contact your service representative for further
ANR1383I Memory usage by the database manager is limited to instance memory in MB.

Explanation: The memory dedicated to the database manager was set successfully.

System action: Server continues processing.

User response: None.

ANR1384E The update to set memory used by TSM server database to instance memory in MB failed.

Explanation: Attempt to set memory dedicated to TSM server database failed.

System action: Server operation continues.

User response: Collect all messages prior to this one and contact your service representative for further assistance.

ANR1385E The database name is either invalid or missing in the server option file.

Explanation: While attempting to format a database, the Tivoli Storage Manager server has found that the database name is either invalid or missing.

System action: Server format stops.

User response: Before reissuing the command to format the database, check the following items:

- Ensure that the server options file has a valid name for the Tivoli Storage Manager server database. The database name is specified with the DATABASEALIAS option. The database name is a unique character string containing from one to eight letters, numbers, or keyboard characters. The name can contain any of the following characters: a-z, A-Z, 0-9, @, #, and $.
- Ensure that the command is using the correct options file for the server. If you are using the -o option with the command to specify a server options file, ensure that the name and location of the file is correct.

ANR1386I Beginning schema verification for the database insert process.

Explanation: The database insert process is verifying that the database schema is correct.

System action: The server will verify the correctness of the database schema before inserting any database records.

User response: None.

ANR1387I Schema verification for the database insert process has completed.

Explanation: The database insert process has successfully verified that the database schema is correct.

System action: If CHECKSCHEMA=YES was specified then the database insert process will begin inserting records into the database.

User response: None.

ANR1388E Schema verification for the database insert process detected inconsistencies.

Explanation: Inconsistencies were detected during database schema verification.

System action: The database insert process terminates.

User response: Contact your service representative.

ANR1389I The database insert process is terminating because CHECKSCHEMA=ONLY was specified.

Explanation: The database insert process is terminating after verifying the database schema because the CHECKSCHEMA=ONLY parameter was specified.

System action: The database insert process terminates.

User response: Rerun the command without specifying the CHECKSCHEMA=ONLY parameter.

ANR1390E Column source column name (source column number) in legacy table source table name is mapped to an invalid column target column name (target column number) in target table target table name (maximum column is table size).

Explanation: The database insert process has detected a discrepancy while verifying the database schema. A column in the source database table was mapped to an invalid column in the target table. The target column number is higher than the number of columns in the target table.

System action: The database insert process terminates.

User response: Contact your service representative.

ANR1391E Column source column name (source column number) in legacy table source table name is mapped to the wrong column target column name (target column number) in target table target table name.

Explanation: The database insert process has detected a discrepancy while verifying the database schema. A column in the source database table was mapped to the
wrong column in the target table.

**System action:** The database insert process terminates.

**User response:** Contact your service representative.

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**ANR1392E** Column `target column name (target column number)` in target table `target table name` is not set by upgrade, but does not allow NULLs and has no default value.

**Explanation:** The database insert process has detected a discrepancy while verifying the database schema. A column in the target database table is not set, does not have a default value and does not allow NULLs.

**System action:** The database insert process terminates.

**User response:** Contact your service representative.

---

**ANR1393I** Memory usage by the database manager is set to AUTOMATIC.

**Explanation:** The memory dedicated to TSM server database was set to automatic successfully.

**System action:** Server continues processing.

**User response:** None.

---

**ANR1394E** The update to set memory used by TSM server database to AUTOMATIC failed.

**Explanation:** Attempt to set memory dedicated to TSM server database to automatic failed.

**System action:** Server operation continues.

**User response:** Collect all messages prior to this one and contact your service representative for further assistance.

---

**ANR1395I** Insertdb command: Process `process number`, database insert, has completed.

**Explanation:** The database insert process has completed.

**System action:** Database insert processing ends.

**User response:** None.

---

**ANR1396E** Insertdb command: Process `process number`, database insert, has completed with errors.

**Explanation:** The database insert process has completed, but errors were encountered by the process.

**System action:** Database insert processing ends.

**User response:** Review any messages that were issued by the process, and take corrective action as appropriate.

---

**ANR1397I** Insertdb command: Found number of database objects. 

**Explanation:** This message indicates the total number of database objects that were found during database insert processing.

**System action:** Server processing continues.

**User response:** None.

---

**ANR1398I** Insertdb command: Processed number of database objects.

**Explanation:** This message indicates the total number of database objects that were successfully processed during database insert processing.

**System action:** Server processing continues.

**User response:** None.

---

**ANR1399I** Insertdb command: Failed to process number of database objects.

**Explanation:** This message indicates the total number of database objects that were not successfully processed during database insert processing.

**System action:** Server processing continues.

**User response:** None.

---

**ANR1400W** Mount request denied for volume `volume name` - mount canceled.

**Explanation:** The volume shown cannot be mounted because the mount request has been canceled.

**System action:** The volume is not mounted.

**User response:** None.

---

**ANR1401W** Mount request denied for volume `volume name` - mount failed.

**Explanation:** The volume shown cannot be mounted because the mount request cannot be completed successfully. Possible reasons include, an error in device specifications to the server or the mount request timed out.

**System action:** The volume is not mounted.

**User response:** If the device specifications (DEFINE DEVCLASS and so forth) are in error, correct them and reissue the command that requested the volume to be mounted.
ANR1402W  Mount request denied for volume volume name - volume unavailable.

Explanation:  The volume shown cannot be mounted because it is not available.
System action:  The volume is not mounted.
User response:  If the attempted mount occurs in a library sharing environment and the library manager was recently recycled, try again in five minutes. In this case the library manager and library client need a few minutes to reestablish communication and synchronize the mounting information between the two servers.

ANR1403W  Scratch volume mount request denied - mount canceled.

Explanation:  A scratch volume cannot be mounted because the mount request has been canceled.
System action:  The scratch volume is not mounted.
User response:  None.

ANR1404W  Scratch volume mount request denied - mount failed.

Explanation:  A scratch volume cannot be mounted because the mount request cannot be completed successfully. Possible reasons include, an error in device specifications to the server or the mount request timed out.
System action:  The scratch volume is not mounted.
User response:  If the device specifications (for example, DEFINE DEVCLASS) are in error, correct them and reissue the command that requested the volume to be mounted.

ANR1405W  Scratch volume mount request denied - no scratch volume available.

Explanation:  A scratch volume cannot be mounted because no scratch volume is available.
System action:  The scratch volume is not mounted.
User response:  None.

ANR1406E  Simultaneous write operation could not release all the acquired mount points.

Explanation:  A simultaneous write to a primary and copy storage pools failed to release all the acquired mount points. When a simultaneous write operation begins it will attempt to acquire all of the necessary mount points. If a mount point cannot be acquired or the simultaneous write operation has to wait for a mount point, then the operation will release any mount points it has already acquired. This prevents the simultaneous write operation from holding mount points and other mount requests from completing. This message is issued if one of the previously acquired mount points cannot be released.
System action:  At least one mount point acquired by simultaneous write operation is not released.
User response:  None.

ANR1407W  Scratch volume mount request denied - storage pool pool name has reached maxscratch limit.

Explanation:  A scratch volume cannot be mounted because the storage pool has reached the maximum scratch volume limit allowed by the MAXSCRATCH parameter.
System action:  A scratch volume is not mounted.
User response:  Use the UPDATE STGPPOOL poolname MAXSCRATCH=xx command to increase the number of scratch volumes allowed in the storage pool.

ANR1408I  Insertdb command: PREVIEW=YES was specified. No data will be inserted into the database.

Explanation:  PREVIEW=YES was specified on the INSERTDB command. Database data will be read and checked for errors, but no data will be written into the database.
System action:  Server processing continues.
User response:  None.

ANR1409W  Volume volume name already in use - skipped.

Explanation:  During an export or database backup, a volume cannot be used because it is already defined in a storage pool, or has already been used by the current operation, or has been previously used by an export or database backup operation (as recorded in the volume history) or is in use by another process.
System action:  The operation continues and the volume is skipped.
User response:  Use the QUERY VOLUME command to display the names of volumes that are defined to server storage pools. Use the QUERY VOLHISTORY command to display the names of volumes that have been used for export or database backup operations. If no volume names are displayed using the query commands described above, ensure that the volume identified in this message has not been specified or used more than once in the operation being performed.
<table>
<thead>
<tr>
<th>Message ID</th>
<th>Description</th>
<th>System action</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANR1410W</td>
<td>Access mode for volume volume name now set to &quot;unavailable&quot;.</td>
<td>None.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR1411W</td>
<td>Access mode for volume volume name now set to &quot;read-only&quot; due to write error.</td>
<td>None.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR1412W</td>
<td>Volume volume name access mode is &quot;unavailable&quot;.</td>
<td>None.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR1413W</td>
<td>Volume volume name access mode is &quot;read-only&quot;.</td>
<td>None.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR1414W</td>
<td>Volume volume name access mode is &quot;read-only&quot; due to previous write error.</td>
<td>None.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR1415W</td>
<td>Volume volume name access mode is DESTROYED.</td>
<td>None.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR1416W</td>
<td>Volume volume name access mode is &quot;offsite&quot;.</td>
<td>None.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR1417W</td>
<td>Access mode for volume volume name now set to &quot;read-only&quot; due to excessive read error.</td>
<td>None.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR1418E</td>
<td>command name: Export commands that target another server cannot be issued from the server console.</td>
<td>The server ignores the command and continues processing.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR1419E</td>
<td>command name: FROMDATE must be specified when FROMTIME is specified.</td>
<td>None.</td>
<td>None.</td>
</tr>
</tbody>
</table>
System action: The server ignores the command and continues processing.

User response: Reissue the command with both the FROMDATE and FROMTIME parameters specified.

ANR1420W  Read access denied for volume volume name - volume access mode = "unavailable".

Explanation: An attempt to access the named volume for reading fails because the volume status is unavailable.

System action: The volume is not used for read access.

User response: None.

ANR1421W  Read access denied for volume volume name - volume is offline.

Explanation: An attempt to access the named volume for reading failed because the volume is offline.

System action: The volume is not used.

User response: None.

ANR1422W  Read access denied for volume volume name - volume access mode="offsite".

Explanation: An attempt to access the named volume for reading failed because the volume status is offsite.

System action: The volume is not used for read access.

User response: None.

ANR1423W  Scratch volume volume name is empty but will not be deleted - volume access mode is "offsite".

Explanation: The named scratch volume is empty but will not be deleted at this time because the access mode is offsite.

System action: The volume is not deleted.

User response: After bringing the volume onsite, change the access mode to read-only so the volume will be deleted.

ANR1424W  Read access denied for volume volume name - volume access mode="destroyed".

Explanation: An attempt to access the named volume for reading failed because the volume status is destroyed.

System action: The volume is not used for read access.

User response: None.

ANR1425W  Scratch volume volume name is empty but will not be deleted - volume state is "mountablenotinlib".

Explanation: The named scratch volume is empty but will not be deleted at this time because the state of the volume is MOUNTABLEINLIB. Possible reasons include, a MOVE MEDIA command was used to check the volume out of the library and the volume was subsequently checked into the library using CHECKIN LIBVOL without first running a MOVE MEDIA command to update the volume state back to MOUNTABLEINLIB state. If this should happen, the QUERY MEDIA will display the volume to be in MOUNTABLEINLIB state since QUERY MEDIA does verify if the volume is actually in the library before displaying the state of the volume.

System action: The volume is not deleted.

User response: The following steps may be used if the volume is to be deleted:
1. Run CHECKOUT LIBVOL to check the affected volume out of the library, the REMOVE=NO option may be used to prevent actual volume movement
2. Run MOVE MEDIA * STG=* WHERESTATE=MOUNTABLEINLIB WHERESTATUS=EMPTY. When the volume is moved by MOVE MEDIA WHERESTATE=MOUNTABLEINLIB, the scratch empty volume is deleted
3. Check the volume back into the library using CHECKIN LIBVOL command

ANR1426I  All legacy FILE volumes have been marked FULL.

Explanation: As part of the conversion of the database to Tivoli Storage Manager version 5.3, all existing non-full volumes of devtype FILE have been marked FULL to keep them from being extended.

System action: All FILE volumes that were not already FULL have been marked FULL and cannot be appended to.

User response: None.

ANR1427E  No legacy FILE volumes were marked FULL.

Explanation: As part of the conversion of the database to Tivoli Storage Manager Version 5.3, all existing non-full volumes of devtype FILE were attempted to be made FULL. However, a database error prevented the conversion, and the status of these volumes remains unchanged.

System action: The volumes are not marked FULL.

User response: Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the
activity log and search for messages. Contact your service representative for further assistance.

**ANR1428W**  
**Shredding access denied for volume**  
volume name - volume is offline.

**Explanation:**  
An object on the indicated volume cannot be shredded because the volume is offline.

**System action:**  
The object is not shredded at this time. When the volume is put back online, another attempt will be made to shred the object.

**User response:**  
Determine why the volume is offline, and, if possible, place the volume back online.

**ANR1429E**  
Transaction failed for Import process - invalid file space filesystem name for node node name was detected.

**Explanation:**  
During import processing, the server encounters an invalid file space name.

**System action:**  
This action usually occurs when the import is operating on a file space that is currently being deleted as a result of an administrative command or client action. The server ends import operation.

**User response:**  
Use the QUERY PROCESS command to monitor and wait for any file space deletion processes to complete, or cancel the process if you do not want to delete the file space. Try the import operation again after this action has been taken.

**ANR1430W**  
Retrieval request denied for storage pool storage pool name - access mode="unavailable".

**Explanation:**  
An attempt was made to retrieve a file from the storage pool shown, but the access mode of the storage pool is unavailable.

**System action:**  
The file is not retrieved from this storage pool. If possible, the file is retrieved from another storage pool.

**User response:**  
Consider changing the access mode for the storage pool.

**ANR1431E**  
An error occurred while writing to side A of volume volume name. An attempt will be made to write to side B of this volume.

**Explanation:**  
An error occurred while writing to side A of a two-sided volume.

**System action:**  
No additional data will be written to side A of this volume. Any remaining space on side A will not be used. An attempt will be made to use the reverse side (side B) of the volume.

**User response:**  
None required if the side B can be used successfully. However, the administrator should investigate the cause of the error and may want to move data from this volume.

**ANR1432I**  
Updating device configuration information to defined files.

**Explanation:**  
The server is updating device configuration information for the files or data sets specified with the DEVCONFIG option in the server options file.

**System action:**  
Server operation continues.

**User response:**  
None.

**ANR1433I**  
Device configuration information successfully written to file name.

**Explanation:**  
Device configuration information was successfully written to the file specified.

**System action:**  
Server operation continues.

**User response:**  
None.

**ANR1434W**  
No files have been identified for automatically storing device configuration information.

**Explanation:**  
The server is unable to automatically update device configuration file. No files were identified using the DEVCONFIG option in the server options file.

**System action:**  
Server operation continues.

**User response:**  
If you would like to have the server automatically record device configuration information to assist in server recovery, use the DEVCONFIG option in the server options file to specify where device configuration information should be written. If you update the options file, halt and then restart the server so the changes can take effect.

**ANR1435E**  
Server could not write device configuration information to devconfig file name.

**Explanation:**  
While attempting to write device configuration information to defined files, the server cannot write to the file name specified.

**System action:**  
The server cannot write device configuration information to the specified file.

**User response:**  
Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Make sure that the server has proper authority to write to the file indicated and that there is sufficient space in the file system for the file. On MVS, make sure that the data set has been allocated and that the server has authority to write to the data set. After the problem has been corrected, use the BACKUP DEVCONFIG command to write device
configuration information to the file.

**ANR1436E** Device configuration file `devconfig file name` cannot be opened.

**Explanation:** While attempting to write device configuration information to device configuration files, the server cannot open the file name specified.

**System action:** The server does not write device configuration information to the file specified.

**User response:** Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Make sure that the server has proper authority to write to the file indicated and that there is sufficient space in the file system for the file. On MVS, make sure that the data set has been allocated and that the server has authority to write to the data set. After the problem has been corrected, use the BACKUP DEVCONFIG command to write device configuration information to the file.

**ANR1437E** No device configuration files could be used.

**Explanation:** The server attempts to read device configuration information from defined files and cannot open any of the files.

**System action:** The operation is ended.

**User response:** Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Ensure that the defined device configuration files have been created. If you can start the server, you can create the files by using the BACKUP DEVCONFIG command. If you cannot start the server, you will need to create a device configuration file by editing the file and adding the appropriate DEFINE commands for the device class, drive, and library definitions. The contents and requirements for this file are described in the Administrator's Guide. Make sure that the server has proper authority to read from the defined device configuration files.

**ANR1438W** Skipping device configuration file: `devconfig file name`.

**Explanation:** While attempting to read device configuration information from a defined file, the server encounters problems in processing the definitions included in the file.

**System action:** The specified file is skipped, and the next one specified in the server options file will be used.

**User response:** Examine error messages that may have been displayed prior to this message to understand why the file could not be used. When you can start the server again, you can refresh this file by using the BACKUP DEVCONFIG command.

**ANR1439E** Allocate prohibited - transaction failed.

**Explanation:** While attempting to preallocate storage on a storage pool, the server detected that the transaction for this operation has previously failed. This error may occur when a large file is selected for backup and the client did not properly estimate the file size. There may not be enough space in the storage pool for the file.

**System action:** An internal error is reported by the server and the operation being performed is ended.

**User response:** Examine error messages that may have been displayed prior to this message for more information.

**ANR1440I** All drives in use. Process `process number` being preempted by higher priority operation.

**Explanation:** When a high priority operation attempted to find an available drive, all the drives were in use. To make a drive available for this operation, the indicated process is being cancelled by the system.

**System action:** The lower priority process is cancelled to make a mount point (drive) available.

**User response:** Restart the process that was cancelled. It will wait until the higher priority process is finished with the volume. If the cancelled process was a migration or reclamation process, it will be automatically restarted when needed. If this message appears frequently, you may want to increase the number of drives available. See the MOUNTLIMIT parameter on the UPDATE DEVCLASS command.

**ANR1441I** Volume `volume name` is in use. Process `process number` being preempted by higher priority operation.

**Explanation:** When a high priority operation attempted to use a volume, it was in use. To make a volume available for this operation, the indicated process is being cancelled by the system.

**System action:** The lower priority process is cancelled to the volume available.

**User response:** Restart the process that was cancelled.

**ANR1442E** Invalid storage pool for store operation: `storage pool`.

**Explanation:** The storage pool selected for a store operation (for example, backup or archive) was not a NATIVE or NONBLOCK data format storage pool. This may be caused by an incorrect management class being assigned to an object.
System action: The operation fails.
User response: Ensure that the copy group destination storage pool of the assigned management class has the appropriate NATIVE or NONBLOCK data format.

ANR1443W Process process ID terminated from session session id. A potential drive-contention deadlock was detected.
Explanation: See message.
User response: No action is required.

ANR1444E No device configuration file is defined.
Explanation: No device configuration file is defined. Check DEVCONFIG option in server options file.
System action: The specified configuration parameter is skipped.
User response: Add the DEVCONFIG option to the server options file, specifying a valid file or data set name to use for the device configuration file.

ANR1445I Insertdb command: Throughput was megabytes per hour megabytes per hour.
Explanation: This message indicates the total throughput (megabytes/hour) during database insert processing.
System action: Server processing continues.
User response: None.

ANR1446I RUNSTATS: Table updating statistics started.
Explanation: This message indicates the update statistics for all tables started.
System action: Server processing continues.
User response: None.

ANR1447W command name: The server is not able to begin a new thread to execute the command on line line number in parallel. The command will run serially.
Explanation: This message is issued during a RUN command to indicate that thread resources are not available to run the command in parallel. The command will be executed serially.
System action: The SCRIPT continues.
User response: Increase the resources available to the server or reduce the number of parallel commands or scripts that are running on the server at any one time.

ANR1448I command name: Beginning serial SCRIPT command execution on line line number.
Explanation: This message is issued during a RUN command (VERBOSE=YES) to indicate that a SERIAL command was encountered and following SCRIPT commands will be executed serially.
System action: The SCRIPT command continues.
User response: See the output of the commands following the SERIAL command to determine their results.

ANR1449I command name: Beginning parallel SCRIPT command execution on line line number.
Explanation: This message is issued during a RUN command (VERBOSE=YES) to indicate that a PARALLEL command was encountered and following SCRIPT commands will be executed in parallel.
System action: The SCRIPT command continues.
User response: See the output of the commands following the PARALLEL command to determine their results.

ANR1450E command name: Invalid command script name: command script name.
Explanation: An invalid script name was specified for a DEFINE, UPDATE, or DELETE SCRIPT command.
System action: The operation fails.
User response: Reenter the command specifying a valid command name.

ANR1451E command name: Invalid command: command.
Explanation: An invalid command was specified for a DEFINE, UPDATE, or DELETE SCRIPT command.
System action: The operation fails.
User response: Reenter the command specifying a valid server command.

ANR1452E command name: Invalid line number: line number.
Explanation: An invalid line number was specified for a DEFINE, UPDATE, or DELETE SCRIPT command.
System action: The operation fails.
User response: Reenter the command specifying a valid line number.
ANR1453E  command name: Command script command
script name already exists.

Explanation: The script name specified in a DEFINE
SCRIPT command already exists.
System action: The operation fails.
User response: Reenter the command specifying a
different command name.

ANR1454I  command name: Command script command
script name defined.

Explanation: The script name specified in a DEFINE
SCRIPT command was successfully defined.
System action: None
User response: None

ANR1455E  command name: Command script command
script name does not exist.

Explanation: The script name specified in a DEFINE,
UPDATE, or DELETE SCRIPT command does not exist.
System action: The operation fails.
User response: Reenter the command specifying a
different command name.

ANR1456I  command name: Command script command
script name updated.

Explanation: The specified command script was
updated with the COPY SCRIPT command.
System action: None
User response: None

ANR1457I  command name: Command script command
script name deleted.

Explanation: The script name specified in a DELETE
COMMAND command was successfully deleted.
System action: None
User response: None

ANR1458I  command name: Line line number was
deleted from command script command
script name.

Explanation: The specified line number was deleted
from the command script as a result of a DELETE
SCRIPT command.
System action: None
User response: None

ANR1459E  command name: Command script command
script name, line line number does not
exist.

Explanation: The line in command script name
specified in a UPDATE, or DELETE SCRIPT command
does not exist.
System action: The operation fails.
User response: Reenter the command specifying a
different line number.

ANR1460I  command name: Command script command
script name copied to new command script
name.

Explanation: The specified command script was
copied to a new script with the COPY SCRIPT
command.
System action: None
User response: None

ANR1461I  command name: Executing command
script command script name.

Explanation: The specified command script is being
executed as a result of a RUN command.
System action: None
User response: None

ANR1462I  command name: Command script command
script name completed successfully.

Explanation: The specified command script, started
with a RUN command, has successfully completed.
System action: None
User response: None

ANR1463E  command name: Command script command
script name completed in error.

Explanation: The specified command script, started
with a RUN command, encountered errors.
System action: Part or all of the command lines in the
script ended in error. Command processing is
terminated.
User response: Examine the messages preceeding this
message to determine the cause of the error. Correct the
command script and reissue the command.

ANR1464E  command name: Command script command
script name, line line number, parameter
parameter number was not specified:
command line.

Explanation: All parameters required to execute a
command script were not specified in the RUN command.

System action: The command fails.

User response: Reenter the RUN command specifying all required parameters.

**ANR1465E**  command name: Command script command script name, line line number, parameter is invalid: command line.

Explanation: An invalid parameter was encountered in a command script.

System action: The command fails.

User response: Correct the script definition and reexecute the RUN command.

**ANR1466I**  command name: Command script command script name, Line line number: command line.

Explanation: The specified line for the command script is being executed. The contents of the line being executed are displayed.

System action: None

User response: None

**ANR1467E**  command name: Command script command script name, did not end in a non-continued line command line.

Explanation: The specified command script did not end in a line that had no continuation character (-).

System action: The command fails.

User response: Correct the specified script so that it ends in a line that is not continued to the next line.

**ANR1468E**  command name: Command script command script name, continued line is too long

Explanation: The specified command script with continuation lines is too long to be executed.

System action: The command fails.

User response: Correct the specified command script so that it is shorter.

**ANR1469E**  command name: Command script command script name, Line line number is an INVALID command : command line.

Explanation: The specified line for the command script is not a valid server command. This message is displayed when a RUN command is executed with the PREVIEW=YES parameter specified.

System action: Command Preview processing fails

**ANR1470I**  command name: Command script command script name completed successfully (PREVIEW mode).

Explanation: The specified command script, started with a RUN command, has successfully completed.

System action: None.

User response: None.

**ANR1471E**  command name: Command script command script name completed in error (PREVIEW mode).

Explanation: The specified command script, started with a RUN command, encountered errors.

System action: Part or all of the command lines in the command script ended in error. Command processing is terminated.

User response: Examine the messages preceeding this message to determine the cause of the error. Correct the script and reissue the command.

**ANR1472I**  command name: Command script command script name renamed to new command script name.

Explanation: The specified command script was renamed with the RENAME SCRIPT command.

System action: None.

User response: None.

**ANR1473E**  command name: A command line cannot be specified when the FILE= parameter is used.

Explanation: The FILE= parameter was specified in the DEFINE SCRIPT command AND a command line was also specified for the SCRIPT. When the FILE= parameter is specified, a command line cannot be specified.

System action: The command fails.

User response: Reenter the command without the command line OR the FILE= parameter.

**ANR1474E**  command name: A line number cannot be specified when the FILE= parameter is used.

Explanation: The FILE= parameter was specified in the DEFINE SCRIPT command AND a line number was also specified for the SCRIPT. When the FILE= parameter is specified, a line number cannot be specified.
**ANR1475E**  
*command name: File file name could not be opened.*

**Explanation:** A filename was specified in a command but the specified file could not be opened by the server.

**System action:** The command fails.

**User response:** Reenter the command without the line number OR the FILE= parameter.

---

**ANR1476E**  
*command name: File file name contains no data.*

**Explanation:** The FILE= parameter was specified in a command but the specified file did not contain script command lines.

**System action:** The command fails.

**User response:** Add script command lines to the file or specify another file and reenter the command.

---

**ANR1477E**  
*command name: The OUTPUTFILE parameter may only be specified when FORMAT=RAW is specified.*

**Explanation:** The OUTPUTFILE parameter was specified in a QUERY SCRIPT command but the FORMAT parameter did not specify RAW output. When outputting the QUERY to a file, you MUST specify RAW output format.

**System action:** The command fails.

**User response:** Reenter the command specifying the proper value for the FORMAT parameter or do not specify the OUTPUTFILE parameter.

---

**ANR1478E**  
*command name: Error writing to file file name.*

**Explanation:** An error was encountered while writing to the file specified.

**System action:** The command fails.

**User response:** Examine any messages that might appear prior to this one in the activity log to determine if the error can be found. Ensure that the filesystem has sufficient space and that the server has authority to create the file in the location specified.

---

**ANR1479I**  
*command name: Query output was written to file file name.*

**Explanation:** The output from the specified query was successfully written to the specified file.

**System action:** The command completes successfully.

**User response:** None.

---

**ANR1480E**  
*command name: Description text is too long.*

**Explanation:** The specified description text is too long for a command that allows description text to be specified.

**System action:** The command fails.

**User response:** Reenter the command specifying a shorter description.

---

**ANR1481E**  
*command name: A command line or description must be specified.*

**Explanation:** An UPDATE SCRIPT command was specified without a command line (script line) or description text.

**System action:** The command fails.

**User response:** Reenter the command specifying a command line or description text.

---

**ANR1482I**  
*Found label statement label on line line number and continuing.*

**Explanation:** This message is issued during a RUN command (VERBOSE=YES) to indicate that the target label for a GOTO statement was found.

**System action:** Command processing continues.

**User response:** None.

---

**ANR1483I**  
*Line line number condition IF(condition) is NOT true - statement is skipped.*

**Explanation:** This message is issued during a RUN command (VERBOSE=YES) to indicate that the a return code condition check failed and the IF(…) statement is skipped.

**System action:** Command processing continues.

**User response:** None.

---

**ANR1484I**  
*Line line number condition IF(condition) is TRUE - statement will be executed.*

**Explanation:** This message is issued during a RUN command (VERBOSE=YES) to indicate that the a return code condition check passed and the IF(…) statement is executed.

**System action:** Command processing continues.

**User response:** None.
code condition check succeeded and the IF(...) statement is executed.

System action: Command processing continues.
User response: None.

ANR1485I  command name: Ending SCRIPT with EXIT statement on line line number.
Explanation: This message is issued during a RUN command (VERBOSE=YES) to indicate that an EXIT statement was encountered and SCRIPT termination will end.
System action: The SCRIPT command ends.
User response: None.

ANR1486I  command name: Executing line line number GOTO label name.
Explanation: This message is issued during a RUN command (VERBOSE=YES) to indicate that a GOTO statement was encountered and processing will skip to the named label.
System action: SCRIPT processing continues.
User response: None.

ANR1487I  command name: Command return code is symbolic return code (return code severity).
Explanation: This message is issued during a RUN command (VERBOSE=YES) to indicate the return code that was returned from the latest command.
System action: SCRIPT processing continues.
User response: None.

ANR1488E  command name: Line line number condition IF(condition) is not a valid condition.
Explanation: This message is issued if an IF() statement in a SCRIPT does not specify proper condition values.
System action: Command processing fails.
User response: Reenter the command using valid conditions for the IF() statement.

ANR1489E  command name: Line line number is a GOTO to a label (label name) that does not exist or is associated with a line prior to line line number.
Explanation: This message is issued if a GOTO statement in a SCRIPT does not specify a label that exists in the SCRIPT, or that does exist but is associated with a line prior to the line that contains the GOTO statement.

System action: Command processing fails.
User response: Correct the SCRIPT definition and reenter the RUN command.

ANR1490W  command name: Command script command script name does not contain any commands.
Explanation: The script name specified in a RUN command does not contain any commands.
System action: The RUN operation fails (has nothing to do).
User response: Server command Scripts that contain no commands will not execute. Add command lines to the Script and reenter the RUN command.

ANR1491E  Server command scripts cannot be started from the server console.
Explanation: A server command script RUN command was issued from the server console. Server command scripts cannot be started from the server console because they may require a long time to complete and the server console should be available to control other server functions.
System action: The server ignores the command and continues processing.
User response: Start the server command script from an administrative client or schedule it for execution using the administrative command scheduler.

ANR1492E  command name: A loop has been detected in server command script RUN commands - command failed.
Explanation: A server command script DEFINE or UPDATE command has created a situation where one or more scripts invoke each other in a loop that can cause the scripts to run indefinitely.
System action: The command fails to update the server command script.
User response: Server command scripts can invoke each other, but not in a fashion that causes a potential loop in their execution. Specify the scripts in a manner that does not cause them to invoke each other in a loop.

ANR1493E  Command: Administrator administrator name is not authorized to update or delete command script command script name.
Explanation: The specified administrator has entered the indicated command, but this administrator does not have the proper authority necessary to update or delete this command script. If an administrator does not have
system authority, they must have previously created or updated the script.

**System action:** The server does not process the command.

**User response:** Issue the command from a properly authorized administrator ID, or contact the administrator that created the script.

---

**ANR1494I**

**command name:** Command return code is numeric return code.

**Explanation:** This message is issued during a RUN command (VERBOSE=Yes) to indicate the numeric return code that was returned from the latest command.

**System action:** SCRIPT processing continues.

**User response:** None.

---

**ANR1495E**

**command name:** command script name is currently running. Define, update or delete cannot be performed.

**Explanation:** An DEFINE, UPDATE or DELETE SCRIPT was attempted on a script that is currently running.

**System action:** The operation fails.

**User response:** Reenter the command when the script is not running.

---

**ANR1496I**

**Explanation:** The ISSUE MESSAGE command with a severity indicator of INFORMATION was issued.

**System action:** Server operation continues.

**User response:** None.

---

**ANR1497W**

**Explanation:** The ISSUE MESSAGE command with a severity indicator of WARNING was issued.

**System action:** Server operation continues.

**User response:** None.

---

**ANR1498E**

**Explanation:** The ISSUE MESSAGE command with a severity indicator of ERROR was issued.

**System action:** Server operation continues.

**User response:** None.

---

**ANR1500I**

**Policy domain domain name defined.**

**Explanation:** In response to the DEFINE DOMAIN command, the policy domain domain name has been defined in the server database.

**System action:** Server operation continues.

**User response:** None.

---

**ANR1501I**

**Policy domain domain name deleted.**

**Explanation:** In response to the DELETE DOMAIN command, the policy domain domain name has been deleted from the server database. All policy sets, management classes, copy groups, and schedules related to the domain have also been removed.

**System action:** Server operation continues.

**User response:** None.

---

**ANR1502I**

**Policy domain domain name updated.**

**Explanation:** In response to the UPDATE DOMAIN command, the policy domain domain name has been updated in the server database.

**System action:** Server operation continues.

**User response:** None.

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**ANR1503I**

**Policy domain domain name copied to domain target domain.**

**Explanation:** In response to the COPY DOMAIN command, the policy domain domain name has been copied to a new policy domain named target domain. All policy sets, management classes, and copy groups are also copied to the target domain policy domain.

**System action:** Server operation continues.

**User response:** None.

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**ANR1504I**

**Command: No matching domains.**

**Explanation:** The server cannot find any policy domains with names that match the specification entered in the command command.

**System action:** Server operation continues.

**User response:** Reissue the command with a specification that matches an existing policy domain name. Use the QUERY DOMAIN command to obtain a list of the names of existing policy domains.
The BACKUP copy group in management class management class name specifies a table of contents destination storage pool : storage pool name that does not exist. If this pool does not exist when policy set policy set name is activated, the creation of the table of contents may fail for an image backup when this management class is used for the backup.

Explanation: This message may be returned from the DEFINE COPYGROUP, UPDATE COPYGROUP, VALIDATE POLICYSET or ACTIVATE POLICYSET command. During the indicated command processing, the server has found a backup copy group that has a table of contents (TOC) destination referring to an undefined storage pool named storage pool name. If this storage pool is undefined when the policy set is activated, the creation of the TOC for an image backup will fail if its TOC creation binds to the management class whose copy groups reference this pool.

System action: Server operation continues.

User response: To locate the copy groups that refer to the undefined storage pool, issue the QUERY COPYGROUP command. To change the TOC destination to refer to an existing storage pool, issue the UPDATE COPYGROUP command. To define the storage pool, an authorized administrator can issue the DEFINE STGPOOL command.

Command: An incorrect storage pool name - storage pool name was specified for the TOC destination.

Explanation: Server processing for the command command fails because the storage pool name pool name specified for the table of contents (TOC) is an invalid destination storage pool type. A copy storage pool or an active-data storage pool is not a valid copy group TOC destination.

System action: The command fails and server operation continues.

User response: Reissue the command using a storage pool name that is not a copy pool or active-data pool. For a list of names of defined storage pools, issue the QUERY STGPOOL command.

Table of contents load retention is set to number of minutes minutes.

Explanation: The number of minutes that the unreferenced table of contents (TOC) data will remain loaded in the server database has been set to the value indicated with the SET TOCLOADRETENTION command.

System action: None.

User response: None.
ANR1513I Policy set set name copied to set new set name in policy domain domain name.

Explanation: In response to the COPY POLICYSET command, the policy set set name has been copied to the policy set new set name in the policy domain named domain name. All management classes and copy groups are also copied to the policy set new set name.

System action: Server operation continues.
User response: None.

ANR1514I Policy set set name activated in policy domain domain name.

Explanation: In response to the ACTIVATE POLICYSET command, the policy set set name has been activated in the policy domain domain name. All management class and copy group definitions in the policy set will be used by clients that start sessions after this command is committed. Clients that currently have sessions established with the server will use the policy definitions in the previously active policy set for the domain.

System action: The server replaces the active management class and copy group definitions for the policy domain with the definitions found in the specified policy set. These values are returned to client nodes that start a session with the server after this command is committed to the server database.
User response: None.

ANR1515I Policy set set name validated in domain domain name (ready for activation).

Explanation: This message may be displayed in response to a VALIDATE POLICYSET command. The policy set set name has been checked in the domain domain name to see if the management class and copy group definitions are adequate for activating the policy set. This message indicates that the policy set may be activated. Warning messages may be issued prior to this message if there are discrepancies in the policy set with respect to the set that is currently active in the policy domain.

System action: The server checks its definitions to determine the policy set’s qualifications for activation. The server does not activate the policy set.
User response: If you are satisfied with any warning messages that may have been issued prior to this message concerning any possible discrepancies in the policy set, issue the ACTIVATE POLICYSET command to activate the policy set in the policy domain. Otherwise, correct the discrepancies prior to activating the policy set. Before the ACTIVATE POLICYSET command is used to activate the policy set, use the validate command to check policy set contents.

ANR1516E Command: Storage pool storage pool name is not enabled for deduplication.

Explanation: The command indicated specifies the name of a storage pool which does not have deduplication enabled. The command requires that deduplication be enabled on the storage pool before the command can execute.

System action: The server does not process the command.
User response: Update the storage pool to allow data deduplication by specifying the parameter DEDUPLICATE=YES. But only do so if you wish to have duplicates of data in the storage pool removed.

ANR1517I Insertdb command: Processed number of database records database records.

Explanation: This message indicates the total number of database records that were successfully inserted during database insert processing.

System action: Server processing continues.
User response: None.

ANR1518I Insertdb command: Read number of bytes bytes.

Explanation: This message indicates the total number of bytes that were successfully read during database insert processing.

System action: Server processing continues.
User response: None.

ANR1519I Insertdb command: Elapsed time was elapsed time.

Explanation: This message indicates the total amount of time that elapsed during database insert processing.

System action: Server processing continues.
User response: None.

ANR1520I Management class class name defined in policy domain domain name, set set name.

Explanation: In response to the DEFINE MGMTCLASS command, the management class named class name has been defined in the policy set set name belonging to the policy domain named domain name.

System action: Server operation continues.
User response: None.
### ANR1521I Management class deleted from policy domain

**Explanation:** In response to a DELETE MGMTCLASS command, the management class named `class name` has been deleted from the policy set `set name` belonging to the policy domain `domain name`. All copy groups defined for the management class are also removed.

**System action:** Server operation continues.

**User response:** None.

### ANR1522I Management class updated in policy domain

**Explanation:** In response to the UPDATE MGMTCLASS command, the management class named `class name` has been updated in the policy domain `domain name`, policy set `set name`.

**System action:** Server operation continues.

**User response:** None.

### ANR1523I Management class copied to class in policy domain

**Explanation:** In response to the COPY MGMTCLASS command, the management class named `class name` has been copied to a new management class named `new class name` in policy set `set name` belonging to policy domain `domain name`. All copy groups defined for management class `class name` are also copied to management class `new class name`.

**System action:** Server operation continues.

**User response:** None.

### ANR1524I Insertdb command: Beginning database update phase.

**Explanation:** The database insert process has completed inserting database records, and has begun making updates to the inserted records.

**System action:** Server processing continues.

**User response:** None.

### ANR1526I Insertdb command: Building indices and checking table integrity.

**Explanation:** The database insert process has begun to create indices and check the integrity of the database tables.

**System action:** Server processing continues.

**User response:** None.

### ANR1527I command: Checked database objects of database objects in elapsed time.

**Explanation:** The command has checked the integrity of the indicated number of database tables.

**System action:** None.

**User response:** None.

### ANR1528I RUNSTATS: Table updating statistics completed in elapsed time.

**Explanation:** This message indicates the update statistics for all tables completed.

**System action:** None.

**User response:** None.

### ANR1529I Process process ID skipped File state deduplicated extent Extent id on volume Volume name.

**Explanation:** While moving or copying deduplicated extents from a sequential FILE volume, extents were encountered that were marked deleted or damaged. As a result, the extents were skipped.

**System action:** The server moves or copies all extents from the volume that are not marked damaged or deleted. The damaged or deleted extents are skipped.

**User response:** If the deduplicated extent was marked damaged, audit the indicated volume with FIX=NO to verify whether the file is damaged. The audit will reset the file status if the deduplicated extent is not damaged.

If the deduplicated extent has been marked deleted, it is not copied to another storage pool.

### ANR1530I Backup copy group defined in policy domain

**Explanation:** In response to the DEFINE COPYGROUP command, a backup copy group named `group name` has been defined for the management class `class name` in the policy set `set name` belonging to policy domain `domain name`.

**System action:** Server operation continues.
However, doing so can result in unrecoverable data loss if a data-integrity error occurs. As a best practice, do not change the default.

**ANR1538I** Archive copy group group name updated in policy domain domain name, set set name, management class class name.

Explanation: In response to the UPDATE COPYGROUP command, the archive copy group named group name has been updated in the management class named class name in the policy set set name belonging to policy domain domain name.

System action: Server operation continues.

User response: None.

**ANR1539I** Process process ID skipped Num Files deduplicated files on volume Volume name because copies of the files were not found.

Explanation: The DEDUPREQUIRESBACKUP server option is set to YES. If the value of this option is YES (the default), files within a deduplicated storage pool must be backed up to a non-deduplicated copy storage pool before the files can be moved.

System action: The operation skips the files without copies and continues the operation.

User response: Ensure that all files in the primary storage pool are backed up to a non-deduplicated copy storage pool. You can also change the value of the DEDUPREQUIRESBACKUP server option to NO.

**ANR1540I** Default management class set to class name for policy domain domain name, set set name.

Explanation: The default management class for the policy set set name in policy domain domain name has been set to the management class named class name.

System action: If this policy set is activated, clients use this management class for backup-archive processing by default, or if other management classes specified for binding do not exist in the policy set.

User response: None.
ANR1539S  A previous database upgrade did not succeed. The server cannot start.

Explanation: A DSMSERV INSERTDB command used to upgrade from Tivoli Storage Manager V5 failed or was cancelled. The result is a database that does not contain all of the data from the original database. The server cannot be run with an incomplete database.

System action: The server will not start.
User response: Rerun the DSMSERV INSERTDB command.

ANR1540E  Import command: The processing stopped. The connection with the source server is broken.

Explanation: The communications link with the source server broke because of a network error or because the source-server export process stopped.

System action: The import process ends.
User response: Examine the activity log of the source server to determine if the export process stopped. A network failure can also cause this message to be displayed. If many communication error messages occur simultaneously, check the network for failure and correct any problems.

ANR1541E  Export command: The processing stopped. The connection with the target server is broken.

Explanation: The communications link with the target server broke because of a network error or because the target-server import process stopped.

System action: The export process ends.
User response: Examine the activity log of the target server to determine if the import process stopped. A network failure can also cause this message to be displayed. If many communication error messages occur simultaneously, check the network for failure and correct any problems.

ANR1542E  Import command: Preview processing stopped. The connection with the source server is broken.

Explanation: The communications link with the source server broke because of a network error or because the source-server export process stopped.

System action: The import process ends.
User response: Examine the activity log of the source server to determine if the export process stopped. A network failure can also cause this message to be displayed. If many communication error messages occur simultaneously, check the network for failure and correct any problems.

ANR1543E  Export command: Preview processing stopped. The connection with the target server is broken.

Explanation: The communications link with the target server broke because of a network error or because the target-server import process stopped.

System action: The export process ends.
User response: Examine the activity log of the target server to determine if the import process stopped. A network failure can also cause this message to be displayed. If many communication error messages occur simultaneously, check the network for failure and correct any problems.

ANR1544I  The DEDUPTIER3FILESIZE option value is temporarily updated from old value to new value.

Explanation: The value for the DEDUPTIER3FILESIZE option must be greater than or equal to the value for the DEDUPTIER2FILESIZE option. The value for the DEDUPTIER3FILESIZE option is increased to match the value for the DEDUPTIER2FILESIZE option until the server is restarted or until the value for the DEDUPTIER3FILESIZE option is updated with the SETOPT command.

System action: Server operations continue.
User response: Use the SETOPT command to update the value for either the DEDUPTIER2FILESIZE option or the DEDUPTIER3FILESIZE option. Ensure that the value for the DEDUPTIER3FILESIZE option is greater than or equal to the value for the DEDUPTIER2FILESIZE option when you are specifying the values.

ANR1545W  The diagpath (path) file system or disk is becoming full. Space available: space available MB of total space MB. Percent full: file system used ratio percent.

Explanation: The file system or disk containing the db2diag.log file is becoming full. This could cause problems with the server if other DB2 or server databases are in this space.

System action: None.
User response: Add space to the file system or free up space on the file system or disk.

ANR1546W  Available space for the directory (path) is less than 1 GB. If there is no space available the server can no longer function correctly.

Explanation: There is less than 1 GB of available space in the file system or disk where the server database files are located. When a server is initially created, with the DSMSERV FORMAT utility or with the
configuration wizard, a server database and recovery log are created. In addition, files are created to hold database information used by the database manager. The specified path is the location of the database information used by the database manager. If there is no space available, the server can no longer function correctly.

**System action:** None.

**User response:** Add space to the file system or free up space on the file system or disk.

**ANR1547W** The server failed to update the DBDIAGLOGSIZE server option due to insufficient available space. Required space: new value megabytes; available space: system free space megabytes. The current value: current value megabytes.

**Explanation:** There was not enough free space in the filesystem or drive to create db2diag.log files.

**System action:** The update fails but the server continues.

**User response:** Because the value in the server option and logattr.chk have been updated, you must change them to the current value so that they are consistent with the value stored in the database manager. Free the required disk space and update the DBDIAGLOGSIZE option.

**ANR1548W** The server failed to format or initialize because the available space (free space:bytes) in the diagnostic data directory path path is less than 2MB to allocate db2diag.log files;

**Explanation:** There was not enough free space in the diagnostic directory to allocate 2MB db2diag.log files.

**System action:** The server stops.

**User response:** Free the required disk space in the diagnostic directory to at least 2MB and then run the command again.

**ANR1549W** Transaction failed for session session number for node node name (client platform). The next storage pool pool name for the primary storage pool pool name cannot be a target for LAN-free backup.

**Explanation:** The server rolled back a database update transaction for the specified session because the specified next storage pool of the specified primary storage pool cannot be a target for LAN-free backup.

**System action:** The specified session is ended and server operation continues.

**User response:** An authorized administrator can issue the UPDATE STGPOOL command for the specified primary storage pool to remove the specified next storage pool from the parameter NEXTSTGPOOLS. Alternatively, an authorized administrator can enable LAN-free backup to the specified next storage pool.

**ANR1550W** Management class class name is NOT defined in policy set set name but IS defined in the ACTIVE policy set for domain domain name; files bound to this management class will be REBOUND to the default management class if/when this set is activated.

**Explanation:** This message may be returned from the VALIDATE POLICYSET or ACTIVATE POLICYSET command. During policy set validation processing, the server has found a management class named class name in the currently active policy set, but not defined in the policy set being validated or activated (set name). If policy set set name is activated, files bound to this management class in domain domain name are automatically rebound to the default management class in policy set set name.

**System action:** Server operation continues.

**User response:** If you do not want files to be rebound to the default management class, define a management class with the name specified in the message for the policy set. To define the proper copy group attributes, reference the management class definition in the ACTIVE policy set or copy the management class class name from the ACTIVE policy set to policy set set name using the COPY MGMTCLAS command.

**ANR1551W** BACKUP copygroup group name in management class class name is NOT defined in policy set set name but IS defined in the ACTIVE policy set for domain domain name; files bound to this management class will no longer be backed up if/when set name is activated.

**Explanation:** This message may be returned from the VALIDATE POLICYSET or ACTIVATE POLICYSET command. During policy set validation processing, the server has found a backup copy group named group name for management class class name in the currently active policy set, but the copy group is not defined for the management class in the policy set being validated or activated (set name). If policy set set name is activated, files bound to management class class name in domain domain name will no longer be eligible for backup processing.

**System action:** Server operation continues.

**User response:** If you want files bound to this management class to be eligible for backup processing, define an archive copy group for management class class name by using the DEFINE COPYGROUP command.
**ANR1552W** ARCHIVE copygroup group name in management class class name is NOT defined in policy set set name but is defined in the ACTIVE policy set for domain domain name; attempting to archive files specifying this management class will fail if set name is activated.

**Explanation:** This message may be returned from the VALIDATE POLICYSET or ACTIVATE POLICYSET command. During policy set validation processing, the server has found an archive copy group named group name for management class class name in the currently active policy set, but the copy group is not defined for the management class in the policy set being validated or activated (set name). If policy set set name is activated, attempting to archive files specifying this management class will fail. Existing archives bound to this management class on the TSM server will be expired based on the defmgmtclass values, or the archive retention grace period for the policy domain, if the default management class does not contain an archive copygroup.

**System action:** Server operation continues.

**User response:** To archive files specifying this management class, define an archive copy group for management class class name by using the DEFINE COPYGROUP command.

**ANR1554W** DEFAULT Management class class name in policy set domain name set name does not have an ARCHIVE copygroup; files will not be archived by default if this set is activated.

**Explanation:** This message may be returned from the VALIDATE POLICYSET or ACTIVATE POLICYSET command. During policy set validation for policy set set name in policy domain domain name, the server has found that the default management class named class name does not have an archive copy group. This message warns the administrator that activation of this policy set will result in client files not being allowed archive processing unless they are bound to a management class (which has an archive copy group) other than the default.

**System action:** Server operation continues.

**User response:** To define a backup copy group for the management class, issue the DEFINE COPYGROUP command. To assign a different default management class for the domain, issue the ASSIGN DEFMGMTCLASS command. Take either action if you want files to be eligible for archive processing by default.

**ANR1555W** The BACKUP copy group in management class management class name specifies a destination that does not refer to a defined storage pool: storage pool name. If this pool does not exist when policy set policy set name is activated, clients will fail when using this management class to backup files to the server.

**Explanation:** This message may be returned from the VALIDATE POLICYSET or ACTIVATE POLICYSET command. During policy set validation for policy set set name, the server has found a backup copy group destination that references an undefined storage pool named pool name. If this storage pool is undefined when the policy set is activated, backup or archive operations will fail for clients with files bound to the management class whose copy groups reference this pool.

**System action:** Server operation continues.

**User response:** To locate the copy groups that refer to the undefined storage pool, issue the QUERY COPYGROUP command. To change the destination to refer to an existing storage pool, issue the UPDATE COPYGROUP command. To define the storage pool, an authorized administrator can issue the DEFINE STGPOOL command.
The ARCHIVE copy group in management class management class name specifies a destination that does not refer to a defined storage pool: storage pool name. If this pool does not exist when policy set policy set name is activated, clients will fail when using this management class to archive files to the server.

Explanation: This message may be returned from the VALIDATE POLICYSET or ACTIVATE POLICYSET command. During policy set validation for set name, the server has found a archive copy group destination that references an undefined storage pool named pool name. If this storage pool is undefined when the policy set is activated, backup or archive operations will fail for clients with files bound to the management class whose copy groups reference this pool.

System action: Server operation continues.
User response: To locate the copy groups that refer to the undefined storage pool, issue the QUERY COPYGROUP command. To change the destination to refer to an existing storage pool, issue the UPDATE COPYGROUP command. To define the storage pool, an authorized administrator can issue the DEFINE STGPOOL command.

The space management migration destination in management class management class name does not refer to a defined storage pool: storage pool name. If this pool does not exist when policy set policy set name is activated, clients will fail when using this management class to migrate space-managed files to the server.

Explanation: This message may be returned from the VALIDATE POLICYSET or ACTIVATE POLICYSET command. During policy set validation for set name, the server has found a space management migration destination that references an undefined storage pool named pool name. If this storage pool is undefined when the policy set is activated, backup or archive operations will fail for clients with files bound to the management class whose copy groups reference this pool.

System action: Server operation continues.
User response: To locate the copy groups that refer to the undefined storage pool, issue the QUERY COPYGROUP command. To change the destination to refer to an existing storage pool, issue the UPDATE COPYGROUP command. To define the storage pool, an authorized administrator can issue the DEFINE STGPOOL command.

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Command: Invalid policy domain name - domain name.

Explanation: Server processing for the command command fails because the policy domain name domain name specified does not contain valid characters or contains too many characters.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a policy domain name that conforms to these name requirements. For information on the character and length specifications for valid policy domain names, refer to the Administrator’s Reference for your particular platform.
ANR1561E  Command: Missing policy domain name.

Explanation: Server processing for the command command fails because the required policy domain parameter has not been specified.

System action: Database changes for the command command fail back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a valid policy domain name.

ANR1562E  Command: Policy domain description exceeds length limit characters.

Explanation: Server processing for the command command fails because the policy domain description specified is longer than the length limit number of characters allowed.

System action: Database changes for the command command fail back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a shorter policy domain description.

ANR1563E  Command: Invalid retention period for BACKRETN parameter - retention value.

Explanation: Server processing for the copy group command command fails because the value (retention value) specified for the BACKRETN parameter is not valid.

System action: Database changes for the command command fail back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a valid BACKRETN value. For valid BACKRETN values for the DEFINE COPYGROUP or UPDATE COPYGROUP commands, refer to the Administrator’s Reference for your particular platform.

ANR1564E  Command: Invalid retention period for ARCHRETN parameter - retention value.

Explanation: Server processing for the copy group command command fails because the value (retention value) specified for the ARCHRETN parameter is not valid.

System action: Database changes for the command command fail back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a valid ARCHRETN value. For valid ARCHRETN values for the DEFINE COPYGROUP or UPDATE COPYGROUP commands, refer to the Administrator’s Reference for your particular platform.

ANR1565E  Command: Invalid policy set name - set name.

Explanation: Server processing for the command command fails because the policy set name set name specified does not contain valid characters or contains too many characters.

System action: Database changes for the command command fail back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a policy set name that conforms to valid name requirements. For information on the character and length specifications for valid policy set names, refer to the Administrator’s Reference for your particular platform.

ANR1566E  Command: Policy set description exceeds length limit characters.

Explanation: Server processing for the command command fails because the policy set description specified is longer than the length limit number of characters allowed.

System action: Database changes for the command command fail back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a shorter policy set description.

ANR1567E  Command: Invalid management class name - class name.

Explanation: Server processing for the command command fails because the management class name class name specified does not contain valid characters or contains too many characters.

System action: Database changes for the command command fail back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a management class name that conforms to valid name requirements. For information on the character and length specifications for valid management class names, refer to the Administrator’s Reference for your particular platform.
ANR1568E  Command: Management class description exceeds length limit characters.

Explanation: Server processing for the command command fails because the management class description specified is longer than the length limit number of characters allowed.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a shorter management class description. Refer to the Administrator’s Guide for your particular platform for more information.

ANR1569E  Command: Invalid copy group name - group name.

Explanation: Server processing for the command command fails because the copy group name group name specified does not contain valid characters or contains too many characters.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a copy group name that conforms to valid name requirements. For information on the character and length specifications for valid copy group names, refer to the Administrator’s Reference for your particular platform.

ANR1570E  Command: Invalid copy frequency - frequency value.

Explanation: Server processing for the copy group command command fails because the value (frequency value) specified for the FREQUENCY parameter is not valid.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a valid FREQUENCY value. For valid FREQUENCY values for the DEFINE COPYGROUP or UPDATE COPYGROUP commands, refer to the Administrator’s Reference for your particular platform.

ANR1571E  Command: Invalid copy destination - pool name.

Explanation: Server processing for the command command fails because the storage pool name pool name specified for the copy group destination or for the table of contents (TOC) destination does not contain valid characters or contains too many characters.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a storage pool name that conforms to valid name requirements. For information on the character and length specifications for valid storage pool names, refer to the Administrator’s Reference for your particular platform.

ANR1572E  Command: Missing copy destination.

Explanation: Server processing for the copy group command command fails because the required copy group destination is not specified.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify the required copy group destination (DEST).

ANR1573E  Command: Invalid copy type - type value.

Explanation: Server processing for the copy group command command fails because the value (type value) specified for the TYPE parameter is not valid.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a valid TYPE value. For valid TYPE values for the DEFINE COPYGROUP or UPDATE COPYGROUP commands, refer to the Administrator’s Reference for your particular platform.

ANR1574E  Command: Invalid version count for VEREXISTS parameter - version value.

Explanation: Server processing for the copy group command command fails because the value (version value) specified for the VEREXISTS parameter is not valid.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a valid VEREXISTS value. For valid VEREXISTS values for the DEFINE COPYGROUP or UPDATE COPYGROUP commands, refer to the Administrator’s Reference for your particular platform.
ANR1575E  Command: Invalid version count for VERDELETED parameter - version value.

Explanation: Server processing for the copy group command command fails because the value (version value) specified for the VERDELETED parameter is not valid.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a valid VERDELETED value. For valid VERDELETED values for the DEFINE COPYGROUP or UPDATE COPYGROUP commands, refer to the Administrator's Reference for your particular platform.

ANR1576E  Command: Invalid retention period for RETEXTRA parameter - retention value.

Explanation: Server processing for the copy group command command fails because the value (retention value) specified for the RETEXTRA parameter is not valid.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a valid RETEXTRA value. For valid RETEXTRA values for the DEFINE COPYGROUP or UPDATE COPYGROUP commands, refer to the Administrator's Reference for your particular platform.

ANR1577E  Command: Invalid retention period for RETONLY parameter - retention value.

Explanation: Server processing for the copy group command command fails because the value (retention value) specified for the RETONLY parameter is not valid.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify a valid RETONLY value. For valid RETONLY values for the DEFINE COPYGROUP or UPDATE COPYGROUP commands, refer to the Administrator's Reference for your particular platform.

ANR1578E  Command: Invalid version count for RETVER parameter - retention value.

Explanation: Server processing for the copy group command command fails because the value (retention value) specified for the RETVER parameter is not valid.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command specifying valid archive copy group options, or specify TYPE=BACKUP if the intent is to operate on a backup copy group. For
valid archive copy group options, refer to the Administrator’s Reference and Administrator’s Guide for your particular platform.

ANR1582E Command: The option option is valid only for archive copy groups.

Explanation: Server processing for the backup copy group command command fails because the option specified is only valid for archive copy group definitions.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command specifying valid backup copy group options, or specifying TYPE=ARCHIVE if the intent is to operate on an archive copy group. For valid backup copy group options, refer to the Administrator’s Reference and Administrator’s Guide for your particular platform.

ANR1583E Command: Copy frequency for archive copy groups must be CMD - frequency value is not valid.

Explanation: Server processing for the archive copy group command command fails because a value other than CMD has been specified for the FREQUENCY parameter. The only value that may be specified for the archive copy group FREQUENCY parameter is CMD.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command specifying CMD for the FREQUENCY parameter, or omitting the FREQUENCY parameter because the default value for FREQUENCY is CMD for archive copy groups. For valid archive copy group options, refer to the Administrator’s Reference and Administrator’s Guide for your particular platform.

ANR1584E Command: Copy mode for archive copy groups must be ABSOLUTE - mode value is not valid.

Explanation: Server processing for the archive copy group command command fails because a value other than ABSOLUTE has been specified for the MODE parameter. The only value that may be specified for the archive copy group MODE parameter is ABSOLUTE.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command specifying ABSOLUTE for the MODE parameter, or omitting the MODE parameter because the default value for MODE is ABSOLUTE for archive copy groups. For valid archive copy group options, refer to the Administrator’s Reference and Administrator’s Guide for your particular platform.

ANR1585E Command: Policy set ACTIVE cannot be modified.

Explanation: Server processing for the command command fails because the policy set name ACTIVE is specified. Objects in the ACTIVE policy set for a domain may only be changed through activation of another policy set.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command specifying a policy set other than ACTIVE. To copy the ACTIVE policy set for a policy domain to another name so that commands may be used to change its contents, issue the COPY POLICYSET command. Then to activate the changes, issue the ACTIVATE POLICYSET command.

ANR1586E Command: Invalid migration destination - pool name.

Explanation: Server processing for the command command fails because the storage pool name pool name specified for the migration destination is a copy pool. A copy pool is not a valid migration destination.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command using a storage pool name that is not a copy pool. For a list of names of defined storage pools, issue the QUERY STGPOOL command.

ANR1587E Command: Invalid copy group destination - pool name.

Explanation: Server processing for the command command fails because the storage pool name pool name specified for the copy group destination is a copy pool or active-data pool. A copy pool or active-data pool is not a valid copy group destination.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command using a storage pool name that is a primary pool, not a copy pool or active-data pool. For a list of names of defined storage pools, issue the QUERY STGPOOL command.
**ANR1588W**  
**Description:** The value of the ACTIVEDESTINATION parameter received from the configuration manager specifies a storage pool storage pool name for domain domain name that is not defined on the managed server.

**Explanation:** If the storage pool on the managed server is undefined, the value of the ACTIVEDESTINATION parameter for domain domain name is not updated.

**System action:** Server operation continues.

**User response:** Define an active-data storage pool on the managed server with the same name as that on the configuration manager.

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**ANR1589E**  
**Description:** Error reason code updating database manager security plugin file name.

**Explanation:** The server was unable to update the database manager security plugin. This plugin controls access to the database manager from the Tivoli Storage Manager server. The reason code is the errno from the fopen subroutine for the file. Some common reason codes are:

- 26 - The file is in use.
- 13 - Permission to write to the file is denied. On Windows, this reason code can also indicate that the file is in use.

For other reason codes, refer to your operating system reference guide for errno values.

**System action:** The server stops.

**User response:** Manually copy the file from the installation directory to the location identified in the message, and restart the server. On AIX, you might also need to run the /usr/sbin/slibclean command as root after halting the server but before copying the file. This procedure will unload the plugin from the kernel memory.

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**ANR1590E**  
**Description:** Command: Policy domain domain name is not defined.

**Explanation:** Server processing for the command command fails because the policy domain name domain name specified does not refer to a defined policy domain in the server database.

**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** Reissue the command specifying a policy domain name that is defined in the server database. For a list of the names of defined policy domains in the server database, issue the QUERY DOMAIN command.

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**ANR1591E**  
**Description:** Command: Policy domain domain name is already defined.

**Explanation:** Server processing for the command command fails because the policy domain name domain name specified refers to a policy domain that is already defined in the server database.

**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** Reissue the command specifying a policy domain name that is not defined in the server database. For a list of the names of defined policy domains in the server database, issue the QUERY DOMAIN command.

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**ANR1592E**  
**Description:** Command: Policy domain domain name still contains at least one policy set.

**Explanation:** Server processing for the delete command command fails because the policy domain name domain name specified refers to a policy domain that still contains at least one policy set.

**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** To delete the policy set from the policy domain, issue the DELETE POLICYSET command.

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**ANR1593E**  
**Description:** Command: Policy domain domain name still contains at least one node.

**Explanation:** Server processing for the delete command command fails because the policy domain name domain name specified refers to a policy domain that still contains at least one node. A policy domain cannot be deleted if one or more child nodes are still assigned to the domain.

**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** To remove remaining nodes from the policy domain, issue the REMOVE NODE command. After all nodes are removed, issue the delete command again.

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**ANR1594E**  
**Description:** Command: Policy domain domain name has no active policy set.

**Explanation:** Server processing for the update or register node command command fails because the policy domain name domain name specified refers to a policy domain that does not have an active policy set defined. Nodes cannot be assigned to policy domains that do not have an active policy set.
**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** To activate a policy set for the specified policy domain, issue the ACTIVATE POLICYSET command. After a policy set has been activated, client nodes may be assigned to the policy domain.

**ANR1595E**  
*Command: Policy set set name is not defined in policy domain domain name.*

**Explanation:** Server processing for the command fails because the policy set name set name specified does not refer to a defined set in policy domain domain name in the server database.

**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** Reissue the command specifying a policy set name that is defined in the policy domain. For a list of the names of defined policy sets in the policy domain, issue the QUERY POLICYSET command.

**ANR1596E**  
*Command: Policy set set name is already defined in policy domain domain name.*

**Explanation:** Server processing for the command fails because the policy set name set name specified refers to a policy set that is already defined in policy domain domain name.

**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** Reissue the command specifying a policy set name that is not defined in the policy domain. For a list of the names of defined policy sets in the policy domain, issue the QUERY POLICYSET command.

**ANR1597E**  
*Policy set command: Policy set set name in domain domain name still contains at least one management class.*

**Explanation:** The policy set command failed because the set still contains at least one management class definition.

**System action:** The command fails and server operation continues.

**User response:** Remove the remaining management classes from the policy set and reissue the command.

**ANR1598E**  
*Command: No default management class has been assigned for policy set set name in domain domain name.*

**Explanation:** Server processing for the command fails because the policy set name set name in policy domain domain name does not have a default management class assigned.

**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** To assign a default management class in the policy set, issue the ASSIGN DEFMGMTCLASS command.

**ANR1599E**  
*Command: Management class class name is not defined in policy domain domain name, set set name.*

**Explanation:** Server processing for the command fails because the management class name class name specified does not refer to a defined management class in policy set set name belonging to policy domain domain name.

**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** Reissue the command specifying a policy set name that is defined in the policy domain. For a list of the names of defined policy sets in the policy domain, issue the QUERY POLICYSET command.

**ANR1600E**  
*Command: Management class class name is already defined in policy domain domain name, set set name.*

**Explanation:** Server processing for the command fails because the specified management class name class name refers to a management class that is already defined in policy set set name belonging to policy domain domain name.

**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** Reissue the command specifying a management class name that is not defined in the policy set. For a list of the names of defined management classes in the policy domain and policy set, issue the QUERY MGMTCLASS command.
ANR1602E Command: Backup copy group group name is not defined in policy domain domain name, set set name, management class class name.

Explanation: Server processing for the command command fails because the backup copy group named group name specified for management class class name does not refer to a defined backup copy group in policy set set name belonging to policy domain domain name.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command specifying a copy group name that is defined. For a list of the names of defined copy groups and management classes in the policy domain or policy set, issue the QUERY COPYGROUP command.

ANR1603E Command: Backup copy group group name is already defined in policy domain domain name, set set name, management class class name.

Explanation: Server processing for the command command fails because the specified backup copy group named group name refers to a copy group that is already defined for management class class name in policy set set name belonging to policy domain domain name.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command specifying a copy group that is not defined in the policy set. For a list of the names of defined copy groups and management classes in the policy domain and policy set, issue the QUERY COPYGROUP command.

ANR1604E Command: Archive copy group group name is not defined in policy domain domain name, set set name, management class class name.

Explanation: Server processing for the command command fails because the archive copy group named group name specified for management class class name does not refer to a defined archive copy group in policy set set name belonging to policy domain domain name.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command specifying a copy group name that is defined. For a list of the names of defined copy groups and management classes in the policy domain or policy set, issue the QUERY COPYGROUP command.

ANR1605E Command: Archive copy group group name is already defined in policy domain domain name, set set name, management class class name.

Explanation: Server processing for the command command fails because the specified archive copy group named group name refers to a copy group that is already defined for management class class name in policy set set name belonging to policy domain domain name.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command specifying a copy group that is not defined in the policy set. For a list of the names of defined copy groups for management classes in the policy domain and policy set, issue the QUERY COPYGROUP command.

ANR1606E Out of server LOG space in accessing policy tables.

Explanation: The server ends a database update transaction for policy information because sufficient log space is not available on the server.

System action: The policy operation is ended and server operation continues.

User response: An authorized administrator can issue the DEFINE LOGVOLUME command to add volumes for use by the log and can issue the EXTEND LOG command to extend the size of the log so that the new volumes are used.

ANR1607E Out of server DB space in accessing policy tables.

Explanation: The server ends a database update transaction for policy information because sufficient database space is not available on the server.

System action: The policy operation is ended and server operation continues.

User response: An authorized administrator can issue the DEFINE DBVOLUME command to add volumes for use by the database and can issue the EXTEND DB command to extend the size of the database so that the new volumes are used.
ANR1608E Error fetching entry for domain domain name, set set name.

Explanation: An internal server database error occurs while retrieving policy information for policy set set name in domain domain name.

System action: The policy operation is ended and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR1609E Policy error: unable to find management class ID for class class name in policy set set name belonging to domain domain name.

Explanation: An internal server database error has been encountered while retrieving policy information for management class class name in policy set set name belonging to policy domain domain name.

System action: The policy operation is ended and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR1610E Internal Server error: invalid copy type copy type integer encountered in policy set validation.

Explanation: An internal server database error has been encountered while validating a policy set in response to the VALIDATE POLICYSET or ACTIVATE POLICYSET command.

System action: The policy operation is ended and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR1611E Command: Invalid management class name - management class name.

Explanation: Server processing for the command command fails because the specified management class name may not be used as a management class name.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Reissue the command and specify another management class name.

ANR1612E Command: Management class management class name in policy set set name, domain domain name specifies MIGREQUIRESBKUP=YES, but contains no backup copy group.

Explanation: During policy set validation or activation for policy set set name in policy domain domain name, the server has found that the management class named class name specifies the MIGREQUIRESBKUP=YES parameter but does not contain a backup copy group. Policy set validation or activation fails in this case because it would not be possible to ensure that space-managed client files are backed up prior to being migrated to the server.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: To define a backup copy group within the management class, issue the DEFINE COPYGROUP command. To change the MIGREQUIRESBKUP parameter, issue the UPDATE MGMTCLASS command.

ANR1613E Command: Invalid retention initiation - retention initiation value.

Explanation: Server processing for the copy group command command fails because the value (retention initiation value) specified for the RETINIT parameter is not valid.

System action: The command fails.

User response: Issue the command again and specify a valid RETINIT value. For valid RETINIT values for the DEFINE copy group or UPDATE copy group commands, refer to the Administrator's Reference.

ANR1614E Command: Invalid number of days for RETMIN parameter - days value.

Explanation: The command fails.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Issue the command again and specify a valid RETMIN value. For valid RETMIN values for the DEFINE copy group or UPDATE copy group commands, refer to the Administrator's Reference.
ANR1615E  Commands: RETVER of NOLIMIT cannot be specified with RETINIT value of EVENT.

Explanation: Server processing for the copy group command command fails because the retain versions value of NOLIMIT is not allowed with the retention initiation value of EVENT. If this is the UPDATE copy group command, at least one of the values might have been defined already.

System action: Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response: Issue the command again and specify a valid RETVER or RETMIN value. For valid values for the DEFINE copy group or UPDATE copy group commands, refer to the Administrator’s Reference.

ANR1616W  Commands: the specified RETMIN value (new days) will be ignored because the RETINIT value is CREATION for domain policy set management class.

Explanation: Processing for the copy group command command detected that a retain minimum value of days was specified either with the retention initiation value of CREATION, or the current retention initiation value stored for the copy group is CREATION. The retain minimum number of days value is not used when the retention initiation value is CREATION. The copy group will be defined or updated, but the RETMIN value will not be stored.

System action: The copy group is defined or updated and system operation continues.

User response: The copy group will be defined or updated, but the RETMIN value will not be stored. If you want to specify a retention initiation value of EVENT, issue the update command again.

ANR1617W  Commands: the new RETVER value (new days) is less than the value previously stored (old days) for domain policy set management class.

Explanation: Processing for the copy group command command detected that the new number of days to retain versions is less than the number of days currently stored for the copy group. If archive retention protection is active, the policy set might not activate because the retain versions value is not allowed to decrease.

System action: The copy group is updated and system operation continues.

User response: The copy group will be updated, but the copy group might fail validation when the policy set is validated or activated.

ANR1618W  Commands: the new RETMIN value (new days) is less than the value previously stored (old days) for domain policy set management class.

Explanation: Processing for the copy group command command detected that the new retain minimum number of days is less than the number of days currently stored for the copy group. The policy set might not activate when archive retention protection is active, because the retain minimum days value is not allowed to decrease.

System action: The copy group is updated and system operation continues.

User response: The copy group will be updated, but the copy group might fail validation when the policy set is validated or activated.

ANR1619E  The RETVER of NOLIMIT is not allowed with the RETINIT value of EVENT for domain policy set management class.

Explanation: This message can be returned from the VALIDATE POLICYSET or ACTIVATE POLICYSET command. During policy set validation processing, the server has found the the copy group in the policy has specified an invalid combination of options. Retain versions of NOLIMIT and retention initiation of EVENT are not allowed. The policy will not be validated or activated.

System action: Server operation continues.

User response: Update the RETVER or RETINIT values in the copy group. For valid values, refer to the Administrator’s Reference for your platform.

ANR1620E  The new RETVER value (new days) is less than the value in the ACTIVE policy (old days) for domain policy set management class.

Explanation: This message can be returned from the VALIDATE POLICYSET or ACTIVATE POLICYSET command. During policy set validation processing, the server has found that archive retention protection is active and the copy group has a retain versions value less than the value in the ACTIVE policy set. The policy will not be validated or activated.

System action: Server operation continues.

User response: Update the RETVER value in the copy group.

ANR1621E  The new RETMIN value (new days) is less than the value in the ACTIVE policy (old days) for domain policy set management class.

Explanation: This message can be returned from the
VALIDATE POLICYSET or ACTIVATE POLICYSET command. During policy set validation processing, the server has found that archive retention protection is active and the copy group has a retain minimum days value that is less than the value in the ACTIVE policy set. The policy will not be validated or activated.

**System action:** Server operation continues.

**User response:** Update the RETMIN value in the copy group.

**ANR1622E** Management class class name is not defined in policy set set name, but is defined in the active policy set for domain domain name. Archive retention protection is active, so validation fails.

**Explanation:** This message can be returned from the VALIDATE POLICYSET or ACTIVATE POLICYSET command. During policy set validation processing, the server found a management class named class name in the currently active policy set, but not defined in the policy set being validated or activated (set name). When archive retention protection is active, all management classes in the active policy set must be included in the policy set being validated. Policy validation will fail.

**System action:** Server operation continues.

**User response:** Define a management class with the name specified in the message for the policy set. To define the proper copy group attributes, reference the management class definition in the active policy set or copy the management class class name from the active policy set to the policy set set name, using the COPY MGMTCLAS command.

**ANR1623E** Management class class name in policy set set name for domain domain name does not have an archive copy group. Archive retention protection is active, so validation fails.

**Explanation:** This message can be returned from the VALIDATE POLICYSET or ACTIVATE POLICYSET command. During policy set validation processing, the server found a management class named class name in the policy set being validated or activated (set name). The management class does not have an archive copy group. When archive retention protection is active, all management classes in the policy set being validated must have an archive copy group. Policy validation will fail.

**System action:** Server operation continues.

**User response:** Define an archive copy group in specified management class, then try the validation again.

**ANR1624E** Command: Invalid active pool list - active pool list name.

**Explanation:** Server processing for the command command fails because the active pool list active pool list specified does not contain valid pool.

**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** Reissue the command and specify a active pool list that conforms to these name requirements. For information on the character and length specifications for valid active-data pool names, refer to the Administrator’s Reference for your particular platform.

**ANR1625E** command: Server is down-level compared to the version of data being inserted into the database: data version.

**Explanation:** The DSMERV INSERTDB command encountered data written by a version of the DSMUPGRD EXTRACTDB command that is newer than what is supported by the server version.

**System action:** The command ends without inserting any data into the database.

**User response:** Rerun the command using a version of the server compatible with the version of DSMUPGRD used to extract the data. Or reextract the data using an older version of DSMUPGRD that is compatible with the version of the server.

**ANR1626I** The previous message (message number message number) was repeated repeat count times.

**Explanation:** The message issued prior to this message was issued repeatedly.

**System action:** The duplicate messages were suppressed.

**User response:** No action is required.

**ANR1627I** The previous message was repeated repeat count times.

**Explanation:** The message issued prior to this message was issued repeatedly.

**System action:** The duplicate messages were suppressed.

**User response:** No action is required.
ANR1628I  The database manager is using port number for server connections.

Explanation: The server configures the database manager environment to use the indicated port for connections from the server. Initially, connections from the server do not use TCP/IP. After the number of connections exceeds a pre-determined threshold, connections are made through TCP/IP to the specified port. If the port is being used by another application, the database manager cannot receive connections from the server after the change to TCP/IP connections is necessary. After this situation occurs, future connections to the database manager might fail.

System action: Server operation continues.

User response: No action is required.

ANR1629W  command: This command will result in ending the replication relationship for all nodes that match the pattern. Replication will no longer be performed for the specified node(s).

Explanation: A REMOVE REPLMODE command with prevent the specified nodes from being replicated. The replication relationship is removed for each node. No node data is removed from this or any of the other replication servers.

System action: The system asks whether you wish to continue with the REMOVE REPLNODE command.

User response: To process the REMOVE REPLNODE command, enter 'Y' to continue or 'N' to stop the process.

ANR1630W  command: node name is not configured for replication.

Explanation: The node specified in the command is not configured for replication. A node is configured for replication if the replication state of the node is ENABLED or DISABLED. To determine the replication state, issue the QUERY NODE FORMAT=DETAILED command.

System action: The operation continues but the node is skipped for this operation.

User response: Verify that the nodes specified in the command are configured for replication and try the command again. Nodes may be configured for replication with the UPDATE NODE command.

ANR1631I  command: Replication state information for the specified nodes have been removed.

Explanation: All replication state information for the specified node has been removed from the database and the node is no longer configured for replication. If the node was a target of a replication operation it may now be used to accept client data.

System action: Server operation continues.

User response: None.

ANR1632E  command: Command failed. Replication state information for the specified nodes could not be removed.

Explanation: A REMOVE REPLNODE command failed to complete. The replication state for the specified node is not changed.

System action: Server operation continues.

User response: The server reported a problem running the REMOVE REPLNODE command. See accompanying messages for further information.

ANR1633E  command: Node node name is set up for replication and cannot be renamed or removed.

Explanation: Any node that is set up for replication on either a source or target replication server cannot be renamed or removed.

System action: The requested operation fails.

User response: If you want to rename or remove the node, you must first remove the node from replication by issuing the REMOVE REPLNODE command.

ANR1634I  Default replication server name set to server name.

Explanation: The name of the default target-replication server was set to the value that was specified with the SET REPLSERVER command. If you did not specify a value with the command, the existing target replication server was removed, and client node data will not be replicated.

System action: None.

User response: None.

ANR1635I  The server machine GUID, machine GUID, has initialized.

Explanation: The specified globally unique identifier (GUID) has initialized for the server machine.

System action: Server operation continues.

User response: None.

ANR1636W  The server machine GUID changed: old value (old value), new value (new value).

Explanation: The globally unique identifier (GUID) has changed for the server machine. The old and new values are displayed.

System action: Server operation continues.
ANR1637W Error (error) occurred initializing the server machine GUID.

Explanation: An error occurred while initializing the server machine globally unique identifier (GUID).

System action: Server operation continues.

User response: Handle problems appropriately. A write error may occur because the server needs root authority to write the GUID. A read error may occur if the server does not have authority to read the GUID. Other error codes are received from the GUID utility.

ANR1638W Error (error) occurred initializing the server machine GUID. Old value was old GUID.

Explanation: An error occurred while initializing the server machine globally unique identifier (GUID). The old value is displayed.

System action: Server operation continues.

User response: Handle problems appropriately. A write error may occur because the server needs root authority to write the GUID. A read error may occur if the server does not have authority to read the GUID. Other error codes are received from the GUID utility.

ANR1639I Attributes changed for node nodeName: changed attribute list.

Explanation: The TCP/IP name or address, or the globally unique identifier (GUID) has changed for the specified node. The old and new values are displayed for entries that have changed.

System action: Server operation continues.

User response: None.

ANR1640E There is no data mover defined for node nodeName.

Explanation: To perform the requested operation, the specified node must have an associated data mover defined.

System action: The requested operation fails.

User response: Define a data mover for the node and retry the operation.

ANR1641E command: The node node name has a type that is not allowed for this command.

Explanation: The node is not the correct type to be used with this command.

System action: The command fails.

ANR1642E command: The node node name is locked.

Explanation: The node is locked and cannot be used in this command.

System action: The command fails.

User response: Unlock the node and re-run the command.

ANR1643I Command: All file spaces for node node name, will be moved.

Explanation: The server will attempt to move data for all the file spaces for the specified node name based on the criteria entered in the MOVE NODEDATA command.

System action: Server moves data for the indicated node.

User response: None.

ANR1644E Command: Move node data operation already in progress for storage pool storage pool.

Explanation: A command has been issued to move node data for the specified storage pool but there is already a move node data operation in progress for one or more nodes that have been specified for that same storage pool.

System action: The server does not process the command.

User response: Check the activity log for a previous MOVE NODEDATA command to determine what processes for moving node data are in progress for the storage pool. Reissue the command for the node(s) and storage pool you desire that are not already in progress, or, reissue the command after the move node data process ends.

ANR1645I Command: Data for node node name, filesystem filesystem name, FSID filesystem ID will be moved.

Explanation: The server will move data for the specified filesystem name and node name based on the criteria entered in the MOVE NODEDATA command.

System action: The server moves data for the specified node and filesystems.

User response: None.
ANR1646I  Command: Node Node name, no filespaces found to move for this node.

Explanation: A node and filespace were entered in a MOVE NODEDATA command but no filespaces were found for the specified node.

System action: The server continues to move other filespaces for any other nodes specified in the MOVE NODEDATA command.

User response: None.

ANR1647E  Cannot find file space name for node node ID, file space file space ID.

Explanation: The server could not obtain file space information for that node.

System action: The server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR1648W  Command: This command will move data for nodes stored in volumes in storage pool source storage pool to other volumes within the same storage pool; the data will be inaccessible to users until the operation completes.

Explanation: A MOVE NODEDATA command has been entered that will move data to other volumes in the same storage pool. While the data is being moved, it will not be available to users.

System action: The administrator is asked whether to continue.

User response: Enter 'Y' to continue or 'N' to end the process.

ANR1649W  Command: This command will move data for nodes stored in storage pool source storage pool to storage pool destination storage pool; the data will be inaccessible to users until the operation completes.

Explanation: A MOVE NODEDATA command has been entered that will move data from the source storage pool to the destination storage pool shown. While the data is being moved, it will not be available to users.

System action: The administrator is asked whether to continue.

User response: Enter 'Y' to continue or 'N' to end the process.

ANR1650E  Server server name is not defined.

Explanation: The server name was not created using the DEFINE SERVER command. This entry was created using the REGISTER NODE TYPE=SERVER command and is not a valid reference.

System action: The current action for the device class referring to this server fails.

User response: The device class referring to this node as the SERVERNAME should be updated to refer to a valid server entry. Specifically, it should refer to an entry created using the DEFINE SERVER command.

ANR1651E  Server information for server name is not available.

Explanation: The information for server name was not available.

System action: The current server action fails.

User response: Please review any other messages prior to this message to determine the cause of the failure.

ANR1652E  Server information for server name could not be read from a device configuration file.

Explanation: An attempt to a server definition for server name from any device configuration files failed.

System action: The current action for the device class referring to this server fails.

User response: Please verify the existence of a device configuration file and the DEFINE SERVER stanza within that file.

ANR1653E  Resource lock acquisition for server server name failed.

Explanation: The acquisition of the resource lock for server name failed.

System action: The current action for the device class referring to this server fails.

User response: Retry the action referring to the device class that refers to this server name. If the lock failure persists, please contact your service representative.

ANR1654E  Server server name will not be written to a device configuration file.

Explanation: An error occurred accessing the information for server name while trying to write this information to a device configuration file.

System action: This DEFINE SERVER entry is not processing.

User response: Verify that the necessary DEFINE
SERVER entries were written to a device configuration file. If this error persists, please contact your service representative.

**ANR1655E** Failure processing password for Server server name when writing a device configuration file.

**Explanation:** An error occurred processing the password for server name while trying to write this information to a device configuration file.

**System action:** This DEFINE SERVER entry is written to the device configuration file without the password.

**User response:** The password needs to be specified after PASSWORD= for this DEFINE SERVER entry in the device configuration file.

**ANR1656E** Failure writing server definitions to a device configuration file.

**Explanation:** An error occurred writing the server information to a device configuration file.

**System action:** The BACKUP DEVCONFIG action fails.

**User response:** Check that the device configuration file exists and that the file system the file resides on is not out of space.

**ANR1657E** Command: Invalid server or group name - * server or group name.

**Explanation:** The command shown specifies an invalid server or server group name.

**System action:** The server does not process the command.

**User response:** Reissue the command with a valid name.

**ANR1658E** Command: Failure determining NODENAME for server server name.

**Explanation:** The command shown was unable to determine a node name either from the NODENAME= parameter on this command or from the server name previously set using the SET SERVERNAME command.

**System action:** The server does not process the command.

**User response:** Reissue the command with a valid node name parameter or else update the server name using the SET SERVERNAME command so that a valid name is available.

**ANR1659E** Command: Server or server group server or group name is already defined.

**Explanation:** A DEFINE SERVER or DEFINE SERVERGROUP command has been entered that specifies a server or server group name that already exists. The name specified must be a unique name. It must not duplicate a node name used by a registered node, a server name used by a defined server, or a server group name used by a defined server group.

**System action:** The server does not process the command.

**User response:** To define the server or server group, reissue the command and specify a different name.

**ANR1660I** Server server name defined successfully.

**Explanation:** The requested server has been defined to the system in response to a DEFINE SERVER command.

**System action:** None.

**User response:** None.

**ANR1661I** Server server name deleted.

**Explanation:** In response to a DELETE SERVER command, the requested server has been removed from the system.

**System action:** None.

**User response:** None.

**ANR1662I** Server server name updated.

**Explanation:** One or more attributes of a server have been updated by an UPDATE SERVER command.

**System action:** None.

**User response:** None.

**ANR1663E** Command: Server server name not defined

**Explanation:** The server server name is not defined to the system.

**System action:** The command fails.

**User response:** None.

**ANR1664W** Command: Server server name is currently in use.

**Explanation:** The command shown specifies a server that is currently in use for one or more of the following purposes:

- The server is referenced by a device class of DEVTYPE=SERVER that specifies this server for the 'SERVERNAME=' parameter.
- The server is defined as the target replication server.
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• A connection with this server is currently open.

System action: The server does not process the command.

User response: Reissue the command at a later time. In order to delete the server specified, it must not be currently connected, it must not be referenced in a device class, and it must not be defined as the target replication server.

ANR1665E command: Failure updating password for server server name.

Explanation: An error occurred updating the password for server name.

System action: The command fails.

User response: Re-try the command specifying a different password.

ANR1666E command: FILEAGGR not allowed with TYPE=SERVER.

Explanation: The FILEAGGR= parameter may not be specified with the TYPE=SERVER parameter also being specified.

System action: The command fails.

User response: Reissue the command command without the FILEAGGR= parameter if this node is of type SERVER.

ANR1667E command: Action not permitted against node node name.

Explanation: The command is not permitted against the entry for node node name. This node entry has a type of SERVER.

System action: The command fails.

User response: None.

ANR1668E command: Not allowed for server server name.

Explanation: The DELETE SERVER command is not permitted for server server name. The specified server is either the event server or else it is a node entry rather than a server definition.

System action: The command fails.

User response: If the specified server is the event server, and you want to delete it, issue the DELETE EVENTSERVER command and then reissue the DELETE SERVER command. To remove a node entry, issue the REMOVE NODE command for the specified name.

ANR1669I Server event server name is defined as the event server.

Explanation: The specified server is defined.

System action: None.

User response: None.

ANR1670E Server event server name is already defined as the event server. You must issue the DELETE EVENTSERVER command before defining a new event server.

Explanation: An event server is already defined.

System action: The command fails.

User response: Delete the existing Event Server and try the command again.

ANR1671I The event server definition has been deleted.

Explanation: The event server definition has been deleted.

System action: None.

User response: If an event server definition is desired, use the DEFINE EVENTSERVER command.

ANR1672I No event server is currently defined.

Explanation: A query was issued to get the name of the event server; however, no event server is currently defined.

System action: None.

User response: If an event server definition is desired, use the DEFINE EVENTSERVER command.

ANR1673I Server group group name defined successfully.

Explanation: The requested server group is defined to the system in response to a DEFINE SERVERGROUP command.

System action: None.

User response: None.

ANR1674I Member member name defined successfully in server group group name.

Explanation: The requested member is defined in the server group in response to a DEFINE GRPMEMBER command.

System action: None.

User response: None.
ANR1675I Server group server group name deleted.

Explanation: The requested server is removed from the system in response to a DELETE SERVERGROUP command.

System action: None.
User response: None.

ANR1676I Member member name deleted from server group server group name.

Explanation: The requested member is removed from the server group in response to a DELETE GRPMEMBER command.

System action: None.
User response: None.

ANR1677I Server group server group name updated.

Explanation: One or more attributes of a server group is updated by an UPDATE SERVERGROUP command.

System action: None.
User response: None.

ANR1678I Server group original server group name renamed new server group name.

Explanation: A server group is renamed by a RENAME SERVERGROUP command. The original name is not valid.

System action: None.
User response: None.

ANR1679E Command: Server group server group name not defined.

Explanation: The server server group name is not defined to the system.

System action: The command fails.
User response: Retry the command specifying an existing group.

ANR1680E Command: Member member name not defined in server group server group name.

Explanation: The member member name is not defined in server group server group name.

System action: The command fails.
User response: Retry the command specifying an existing member of the group.

ANR1681E Command: Member member name is already in server group server group name.

Explanation: The member member name is defined in server group server group name.

System action: The command fails.
User response: Retry the command and specify a new member name.

ANR1682E A group cannot be a member of itself.

Explanation: The member and group name are the same. A group may not be a member of itself.

System action: The command fails.
User response: Retry the command and specify another member name.

ANR1683E Command: Member member name not defined.

Explanation: The member member name is not defined to the system. Server group members must be a defined server or server group.

System action: The command fails.
User response: Retry the command specifying existing server or group.

ANR1684E Route command: Routed commands cannot be routed.

Explanation: The command part of a routed command may not contain route information itself. The allowable syntax for routed commands is “route : command”. The command may not contain route information. Only one level of routing is allowed.

System action: The command is not processed.
User response: Reissue the command without specifying route information in the command portion of this routed command.

ANR1685I Server group server group copied to server group new server group.

Explanation: This message is displayed in response to the COPY SERVERGROUP command. The server group named server group is copied to the server group named new server group.

System action: None.
User response: None.
ANR1686I  Member member name moved from server group group name to server group new group name.

Explanation: The requested member member name is moved from server group group name to the server group new server group in response to a MOVE GRPMEMBER command.

System action: None.
User response: None.

ANR1687I  Output for command 'command' issued against server server name follows:

Explanation: The output for the command issued against the indicated server follows this message.

System action: None.
User response: None.

ANR1688I  Output for command 'command' issued against server server name completed.

Explanation: This message marks the end of the output for the command specified that was issued against the indicated server.

System action: None.
User response: None.

ANR1689E  Output for command 'command' issued against server server name terminated.

Explanation: An error condition occurred causing the output for the command issued against the specified server to be terminated.

System action: None.
User response: Retry the command against the requested server once the error condition has been resolved. If the cause of the error cannot be determined, please contact your local service representative.

ANR1690E  Error sending command 'command' to server server name.

Explanation: An error was encountered sending the specified command to the server indicated.

System action: None.
User response: Retry the command against the requested server once the error condition has been resolved. If the cause of the error cannot be determined, please contact your local service representative.

ANR1691E  Error receiving response from server server name for command 'command'.

Explanation: An error was encountered receiving the response from the server indicated for the command that was issued against it.

System action: None.
User response: Retry the command against the requested server once the error condition has been resolved. If the cause of the error cannot be determined, please contact your local service representative.

ANR1692E  Response for command 'command' from server server name contains invalid data.

Explanation: The output returned from the specified server for the command that was issued, contains invalid output. The command response cannot be processed.

System action: Output processing for this command response terminates.
User response: Please contact your local service representative.

ANR1693E  Unable to issue command 'command' against server server name - failure starting thread.

Explanation: A thread could not be started to issue the specified command against the server indicated.

System action: This command is not issued against the server specified. The process will attempt to issue the command against any other servers that were specified for the command routing information.
User response: Examine the server messages issued prior to this message to determine the source of the error. Retry routing this command to the indicated server after the cause of the error has been determined and resolved. If the error cannot be isolated and resolved, contact your service representative.

ANR1694I  Server server name processed command 'command' and completed successfully.

Explanation: The server indicated processed the command successfully.

System action: None.
User response: None.

ANR1695W  Server server name processed command 'command' but completed with warnings.

Explanation: The server indicated processed the command but encountered warnings. However, the
warnings did not prevent the execution of the command.

System action: None.
User response: None.

ANR1696E Server server name attempted to process command 'command' but encountered errors.

Explanation: The server indicated processed the command but encountered errors. These errors prevented the successful completion of the command.

System action: None.
User response: Examine any error messages issued on either the server sending the command or else the server executing the command to determine the cause of the failure. Reissue the command once these errors are corrected.

ANR1697I Command 'command' processed by total number for servers server(s): number of successful servers successful, number of servers with warnings with warnings, and number of servers with errors with errors.

Explanation: The indicated command was processed by the number of servers specified. For the total number of servers, the number indicated were successful, the number indicated encountered a warning condition but processed anyway, and finally, the number indicated encountered errors and could not process.

System action: None.
User response: None.

ANR1698I Command 'command' was not issued against any other servers.

Explanation: The indicated command was not issued against any other server. Either the routing information did not resolve to any valid servers or else failures occurred issuing the command against the required servers.

System action: None.
User response: Check to see that valid route information was provided for the command or else check the activity log for error messages that indicate why the command was not issued to the other servers.

ANR1699I Resolved route information to number of servers server(s) - issuing command command against server(s).

Explanation: The route information was resolved to the number of servers indicated. The specified command will be issued against those servers.

System action: None.
User response: None.

ANR1700E Unable to resolve 'route information' to any server(s).

Explanation: The route information provided for this command did not resolve to any server names or group names. Because of this, the command will not be issued.

System action: None.
User response: Examine the route information provided. Reissue the command providing correct route information.

ANR1701E Command: No matching servers defined.

Explanation: No matching servers are found for the specified command.

System action: Server operation continues, but the command is not processed.
User response: Issue the command and specify different servers.

ANR1702W Skipping 'server name' - unable to resolve to a valid server name.

Explanation: The server name specified is being skipped because it could not be resolved to a valid server name.

System action: None.
User response: Reissue the command providing the correct server name.

ANR1703E Failure resolving server names.

Explanation: An error occurred while resolving the server names. Specifically, the resolution of the server names has terminated because of a significant failure.

System action: None.
User response: Check the activity log and server console for other messages about the cause of the failure. Once the cause has been resolved, reissue the command.

ANR1704E Failure obtaining or using credentials for administrator admin name.

Explanation: An error occurred obtaining or using the credentials for the administrator referenced.

System action: Command processing fails.
User response: If the administrator SERVER_CONSOLE was being used for a PING or VALIDATE LANFREE command, the command may fail. The administrator SERVER_CONSOLE is not able
to perform these commands where the source server, the target server, or both servers have authentication enabled. The command should be retried using an administrator other than SERVER_CONSOLE.

Check the activity log and server console for other messages about the cause of the failure. Once the cause has been resolved, reissue the command.

**ANR1705W**  
**Ping for server 'server name' was not able to establish a connection.**

**Explanation:** The ping command was unable to establish a connection to the server specified. This could indicate a problem on the server issuing the ping, a problem with the communication connection between the two servers, or else it is a problem with the other server.

**System action:** None.

**User response:** Check the activity log and server console for messages that indicate a failure or problem on the server issuing this command. Next, check the communication connection between the two servers. Also, check the server definition and password on both the server issuing the command and the server specified. And finally, verify that the server specified is running.

**ANR1706I**  
**Ping for server 'server name' was able to establish a connection.**

**Explanation:** The ping command was able to establish a connection to the server specified.

**System action:** None.

**User response:** Check the activity log and server console for messages that indicate a failure or problem on the server issuing this command. Next, check the communication connection between the two servers. Also, check the server definition and password on both the server issuing the command and the server specified. And finally, verify the operation of the server specified.

**ANR1707E**  
**Server information not complete, crossdefine not allowed.**

**Explanation:** The SERVERHLADDRESS, SERVERLLADDRESS or SERVERPASSWORD has not been set for this server. These are required for the CROSSDEFINE option on the define server command.

**System action:** The command fails.

**User response:** Use the QUERY STATUS command to find what values need to be set. An authorized administrator must issue the SET SERVERHLADDRESS, SET and SERVERLLADDRESS or SET SERVERPASSWORD command to set the missing values.

**ANR1708I**  
**Define server for Server name failed because the crossdefine failed.**

**Explanation:** The define server command failed because the crossdefine parameter was included, and the crossdefine was not successful.

**System action:** The command fails.

**User response:** Check this server, and the server being defined for other messages indicating the reason for the failure.

**ANR1709E**  
**Command: Failure determining current usage for server or group name Server name.**

**Explanation:** The specified command failed to determine the current use of the server name or server group specified.

**System action:** The command fails.

**User response:** Retry the command. If it continues to fail and the cause of the failure can not be determined, please contact your local service representative.

**ANR1710E**  
**Command: Name Name not valid for this command.**

**Explanation:** The name specified for this command is not valid for this operation. The first case is that a server name was specified for a command requiring a server group name. The other case is where a server group name was specified for a command requiring a server name.

**System action:** The command fails.

**User response:** Retry the command specifying the proper name.

**ANR1711E**  
**Error accessing the server or server group name Name.**

**Explanation:** A server operation attempted to access the server name or server group name specified. An error occurred while trying to access the information for this server name or server group name.

**System action:** The server operation fails.

**User response:** Review the activity log to try to determine the cause of the failure. If a cause can not be determined, please contact your local service representative.

**ANR1712W**  
**Command routing not allowed from server console.**

**Explanation:** Command routing is not allowed from the server console.

**System action:** The command is not executed.
ANR1713I Command 'command' issued against server server name.

Explanation: The specified command has been sent to the indicated server. The command is to terminate the specified server, no confirmation will be received.

System action: None.

User response: None.

ANR1714W The password for administrator administrator name has expired. The password for this administrator must be updated on the configuration manager server server name.

Explanation: The password for the named administrator has expired, but the administrator is a managed object on this server. The password must be updated on the named configuration manager server.

System action: The administrator is allow access to the server.

User response: Change the administrator’s password on the named configuration manager server.

ANR1715E Event server cannot be deleted - it is currently active.

Explanation: The event server cannot be deleted since it is currently active for event logging.

System action: The server does not delete the event server entry.

User response: In order to delete the event server, it must not be currently active for event logging. To stop event logging to the event server issue END EVENTLOGGING EVENTSERVER. Then reissue the DELETE EVENTSERVER command.

ANR1716I Server cannot be crossdefined to itself, crossdefine not allowed.

Explanation: An attempt was made to crossdefine the server to itself.

System action: The command fails.

User response: None.

ANR1717E Command: Command failed - Non-Compatible Filespace name types have been specified.

Explanation: A server command has been entered but cannot be processed because Non-Compatible Filespace name types have been specified.

System action: The server does not process the command.

User response: Specify compatible filespace names. Unicode to Unicode or Non-Unicode to Non-Unicode.

ANR1718E Command: Reconstruction of file aggregates is supported only for movement in which the source and target storage pools are sequential-access.

Explanation: The indicated command specifies that file aggregates be reconstructed during a move operation for which reconstruction is not supported. Aggregates are reconstructed only when both the source storage pool and the target storage pool are sequential-access.

System action: The server does not process the command.

User response: Reissue the command without specifying that aggregates should be reconstructed. Alternatively, specify a move operation involving transfer of data within a sequential-access storage pool or between two sequential-access storage pools.

ANR1719E Storage pool storage pool name specified on the MOVE NODEDATA command is not a valid pool name or pool type.

Explanation: If the source storage pool specified in the command is a primary storage pool, then the destination storage pool specified must also be a primary storage pool. If the source storage pool is a copy storage pool, then the specified destination storage pool must be the same storage pool as the source storage pool.

System action: The MOVE NODEDATA process fails.

User response: Provide a valid primary storage pool name as the destination storage pool if the source pool is a primary storage pool. If the source pool is a copy storage pool do not specify a destination pool, or, specify the same copy storage pool as the destination pool.

ANR1720I A path from source name to destination name has been defined.

Explanation: In response to the DEFINE PATH command, the path from the source name to the destination name has been defined in the server database.

System action: Server operation continues.

User response: None.
ANR1721I  A path from source name to destination name has been deleted.

Explanation: In response to the DELETE PATH command or to an UPDATE DEVCLASS command with the MOUNTLIMIT parameter, the path from the source name to the destination name has been deleted in the server database.

System action: Server operation continues.
User response: None.

ANR1722I  A path from source name to destination name has been updated.

Explanation: In response to the UPDATE PATH command, the path from the source name to the destination name has been updated in the server database.

System action: Server operation continues.
User response: None.

ANR1723E  A path is already defined using source name and destination name.

Explanation: In response to the DEFINE PATH command, the server determines that a path with the same source name and the same destination name already exists in the server database.

System action: Server operation continues.
User response: Correct the source name or destination name and re-enter this command.

ANR1724W  Command: Server server name is currently in use.

Explanation: The command shown specifies a server that is currently in use. The server is referenced in a PATH used for LANFree access to a FILE device type drive in a shared library.

System action: The server does not process the command.
User response: Reissue the command at a later time. In order to delete the server specified, it must not be currently connected to the server, it may not be referenced in a device class, it can not be defined to be the event server, and it cannot be referenced within a PATH definition as a FILE device type drive.

ANR1725E  The source or destination name name is invalid and the command command failed.

Explanation: The source or destination name is invalid in the DEFINE PATH, DELETE PATH, or PERFORM LIBACTION command.

System action: Server operations continue.

ANR1726E  A operation using the path from sourcename to destname is currently being used.

Explanation: This path was in use when the command was entered. The attributes of a path may not be changed while it is being used.

System action: The server ignores the command.
User response: Wait until the operation using this path is complete, or cancel the operation using this path, and then reissue the command.

ANR1727E  A path from sourcename to destname does not exist.

Explanation: The path being updated or deleted does not exist.

System action: The server ignores the command.
User response: Reissue the command with a different source or destination name or define a new path.

ANR1728E  The library libname is not a SCSI or VTL library.

Explanation: A drive that is to be used by a NAS data mover must be attached to a SCSI or VTL library.

System action: The server ignores the command.
User response: Reissue the command with a different drive name.

ANR1729E  A path using the data mover source name still exists.

Explanation: In the DELETE DATAMOVER command, the data mover name supplied is either the source or the destination in a path that still exists in the server database.

System action: Server operation continues.
User response: Delete the existing path and reissue this command.

ANR1730I  Data mover mover name has been defined.

Explanation: The data mover has been defined in the server database.

System action: Server operation continues.
User response: None.
ANR1731I Data mover mover name has been deleted.
Explanation: The data mover has been deleted in the server database.
System action: Server operation continues.
User response: None.

ANR1732I Data mover mover name has been updated.
Explanation: The data mover has been updated in the server database.
System action: Server operation continues.
User response: None.

ANR1733E Data mover mover name is already defined.
Explanation: A DEFINE DATAMOVER command was entered for a data mover that already exists in the server database.
System action: Server operation continues.
User response: Use the UPDATE DATAMOVER to change the attributes in this data mover. Otherwise use a different data mover name.

ANR1734E Data mover mover name is not defined.
Explanation: An UPDATE DATAMOVER command was entered for a data mover that does not exist in the server database.
System action: Server operation continues.
User response: Correct the data mover name or use the DEFINE DATAMOVER command to define a new data mover.

ANR1735E Data mover data mover is currently being used.
Explanation: A data mover was in use when the command was entered. The attributes of a data mover may not be changed while it is being used.
System action: The server ignores the command.
User response: Wait until the operation using this data mover is complete, or cancel the operation using this data mover, and then reissue the command.

ANR1736E Command: Parameter parameter length is invalid.
Explanation: The specified server command has been entered with a parameter that is longer or smaller in length than the allowed length.
System action: The server ignores the command.

ANR1737E Command: Device name device specified is invalid.
Explanation: The specified command has been entered with an invalid device name.
System action: The command failed.
User response: Reissue the command with a valid device name.

ANR1738I Unable to begin a server-free operation with data mover data mover name; received error error.
Explanation: The server attempted to begin a server-free operation with the specified data mover but was unable to do so.
System action: Server operation continues.
User response: The server-free data movement will fail and the client may retry the request using LAN or LAN-free data transfer.

ANR1739I Unable to update configuration of data mover data mover name; received error error.
Explanation: The server attempted to notify the specified data mover that a change in the SAN requires that the configuration be updated. The update failed because the data mover was busy.
System action: Server operation continues.
User response: The data mover must finish its current operation before the configuration can be updated. The server-free data movement will fail and the client will retry the request using LAN or LAN-free data transfer.

ANR1740E For the path defined from disk node name disk name received lun actual lun from client, expected expected lun.
Explanation: A client attempted to backup the disk, but the server path definition was different than that which was detected by the client.
System action: Server operation continues.
User response: Correct the path definition from the disk to a datamover.

ANR1741E For the path defined from disk node name disk name received serial number actual serial from client, expected expected serial.
Explanation: A client attempted to backup the disk, but the server path definition was different than that
which was detected by the client.
System action: Server operation continues.
User response: Correct the path definition from the disk to a datamover.

**ANR1742E** The disk node name disk name is not online.
Explanation: An operation requested the specified disk. The disk cannot be used because it is not online.
System action: Server operation continues.
User response: Determine the reason for the disk being offline; if possible, update the disk status to online.

**ANR1743E** The path from data mover datamover name to disk node name disk name is not online.
Explanation: An operation requested the specified disk. The disk cannot be used because the path from the datamover to the disk is not online.
System action: Server operation continues.
User response: Determine the reason for the path being offline; if possible, update the path status to online.

**ANR1744E** The world wide name is invalid for the destination of the path being defined.
Explanation: A path was being defined from a datamover to a destination and that destination has an incorrect world wide name specified.
System action: Server operation continues.
User response: Update the destination's definition with the correct world wide name.

**ANR1745I** The HBA is busy and SAN devices cannot be discovered.
Explanation: The SAN device discovery function is busy. The requested HBA API query cannot be completed at this time. This type of timeout is generally caused by a bad HBA adapter in a system with multiple HBAs.
System action: Server operations continue.
User response: Check all HBA adapters on the system and ensure that all of them are functioning correctly. Reissue the QUERY SAN command.

**ANR1746E** The path from data mover datamover name to drive library name drive name is not online.
Explanation: A server-free operation requested the specified device. The device cannot be used because the path from the datamover to the device is not online.
System action: Server operation continues.
User response: Determine the reason for the path being offline; if possible, update the path status to online.

**ANR1747E** The library libname is not a ZOSMEDIA enabled library.
Explanation: Defining a PATH to a library using the ZOSMEDIA=SERVER parameter requires the library be a ZOSMEDIA library ( e.g., DEFINE LIB libname LIBTYPE=ZOSMEDIA ).
System action: The server ignores the command.
User response: Reissue the command with the correct library name.

**ANR1748W** The disk node name disk name was not found on the SAN. The path definition for this disk has been marked offline.
Explanation: During device discovery on a storage area network a device was not found that has the same serial number as the disk defined to TSM.
System action: Server operation continues.
User response: Verify that the serial number of the disk definition is correct and that the disk is operational.

**ANR1749W** The drive library name drive name was not found on the SAN. The path definition for this drive has been marked offline.
Explanation: During device discovery on a storage area network a device was not found that has the same serial number as the drive defined to TSM.
System action: Server operation continues.
User response: Verify that the serial number of the drive definition is correct and that the drive is operational.

**ANR1750E** The server detected an internal error, return code = return code.
Explanation: An unexpected error occurred during server operation.
System action: Server operation continues.
User response: Use the QUERY ACTLOG command to examine messages prior to this error to determine the
cause of the data storage failure. If the failure can be
found and resolved, retry the operation. If the failure
cannot be found, contact your service representative for
assistance in resolving the problem.

**ANR1751I**  Disk *disk name* has been defined.
**Explanation:** In response to the DEFINE DISK
command, the disk has been defined in the server
database.
**System action:** Server operation continues.
**User response:** None.

**ANR1752E**  Disk *disk name* is already defined.
**Explanation:** A DEFINE DISK command was entered
for a disk that already exists in the server database.
**System action:** Server operation continues.
**User response:** Use the UPDATE DISK command to
change the attributes of this disk. Otherwise, use a
different disk name.

**ANR1753E**  Disk *disk name* is currently being used.
**Explanation:** A disk was in use when the command
was entered. The attributes of a disk may not be
changed while it is being used.
**System action:** The server ignores the command.
**User response:** Wait until the operation using this disk
is complete, or cancel the operation using this disk, and
then reissue the command.

**ANR1754E**  Disk *disk name* is not defined.
**Explanation:** An UPDATE, DELETE or client function
requested the specified disk, but the disk has not been
defined to the server.
**System action:** Server operation continues.
**User response:** Correct the disk name or use the
DEFINE DISK command to define a new disk.

**ANR1755I**  Disk *disk name* has been updated.
**Explanation:** In response to the UPDATE DISK
command, the disk attributes have been updated in the
server database.
**System action:** Server operation continues.
**User response:** None.

**ANR1756I**  Disk *disk name* has been deleted.
**Explanation:** In response to the DELETE DISK
command, the disk has been deleted in the server
database.
**System action:** Server operation continues.

**ANR1757E**  A path using the disk *disk name* still
exists.
**Explanation:** The name supplied in a DELETE DISK
command is the destination in a path that still exists in
the server database.
**System action:** Server operation continues.
**User response:** Delete the existing path using the
DELETE PATH command and re-enter the DELETE
DISK command.

**ANR1758E**  A path from disk *node name* disk name to
da datamover cannot be determined.
**Explanation:** During a backup operation a path from
the disk cannot be found.
**System action:** Server operation continues.
**User response:** Define a path from the disk to a
datamover.

**ANR1759E**  Command: A device with SCSI
datamover capabilities was not found in
the system configuration for datamover
datamover name.
**Explanation:** The scsi address could not be
determined for a device that is capable of performing
datamover operations.
**System action:** The requested operation fails.
**User response:** Verify that the hardware that can
perform SCSI datamover operations is installed and
powered on.

**ANR1760E**  Command: Command failed for node
*node name*, filesystem *filesystem name* -
destination storage pool *storage pool* was
skipped.
**Explanation:** The indicated command failed because
the destination storage pool was skipped. A storage
pool may be skipped because it does not have enough
available space, or because it has a MAXSIZE value
that is less than the size of the object to be inserted.
**System action:** The operation fails.
**User response:** Ensure that the destination storage
pool is available, has an adequate MAXSIZE setting,
and has adequate space. The MAXSIZE setting may be
changed using the UPDATE STGPOOL command.
Space may be added to the storage pool by checking in
scratch volumes or defining new volumes in the
storage pool. If volumes in the destination storage pool
are offline, use the VARY ONLINE command to vary
them online and make them available for use. Correct
the problem and reissue the command.
ANR1761E  Command: Command failed for node node name, filespace filespace name - storage media is inaccessible.

Explanation: The indicated command failed because required storage media is unavailable.

System action: The operation fails.

User response: Ensure that there are sufficient volumes available for storing backups and that any volumes required for restore are checked in and available. Correct the problem and try the command again.

ANR1762E  Command: Command failed for node node name, filespace filespace name - mount point unavailable.

Explanation: The indicated command failed because sufficient mount points are not available.

System action: The operation fails.

User response: Ensure that sufficient mount points are available and working correctly. Correct the problem and try the command again.

ANR1763E  Command: Command failed - see previous error messages or view the activity log.

Explanation: The indicated server command has failed. This message is always preceded by one or more other error messages which provide more detail about why the command failed.

System action: The operation fails.

User response: Examine the previous error messages to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages if needed. Correct the problem and try the command again.

ANR1764E  Command: Command failed - loadable module module name is not available.

Explanation: The indicated server command has failed because it requires the availability of the specified loadable module, but the module is not loaded.

System action: The operation fails.

User response: Make sure the necessary loadable module is available for your platform. Not all modules are available on all platforms. If the module is available for your platform and is installed, contact your service representative for assistance.

ANR1765E  Command: The number of copy threads entered, copythreads, exceed the capabilities of the datamover.

Explanation: A datamover has an upper limit of the number of copy threads that it is capable of executing. The copythreads parameter provided is greater than this limit.

System action: The command fails.

User response: Make sure the value entered for the copythreads parameter is less than the maximum for this datamover. Using the default for the number of copythreads sets the number of copythreads to the datamover's maximum value.

ANR1766I  The number of sessions currently active for datamover datamover, exceed the number of copy threads defined for this datamover.

Explanation: The datamover definition has a parameter that is used to limit the number of operations involving that datamover. This limit was reached.

System action: The operation continues using another method.

User response: Verify that the number of copy threads in the datamover definition is sufficient enough to allow multiple server-free operations, or define another datamover to handle additional server-free operations.

ANR1767W  A datamover with an online path to both the disk, nodename diskname, and the drive, libraryname drivename cannot be found.

Explanation: To perform server-free data movement, a path must exist from the datamover to both the disk and the drive. If either path is not defined or is offline to all datamovers defined then the data movement cannot occur via server-free.

System action: The operation continues using another method.

User response: Define the appropriate paths from a datamover to the disks and drives. If a path is defined from a datamover to a drive in a library then all drives in that library should have paths defined from that same datamover. A path may have to be updated to specify online=yes.

ANR1768E  Command: The device name provided conflicts with a device name that is already in use.

Explanation: The device name provided in the command is already used by an existing path.

System action: The command is not processed.
User response: Specify a valid DEVICE parameter that is not used by any other drive or library.

ANR1769E Command: Command failed - multiple actions between commit actions not allowed.

Explanation: A server script that performs multiple actions between commit actions is not allowed. For example, deletion of multiple paths before each of the deletions is committed is not allowed.

System action: The server does not process the command.

User response: Rewrite the script or macro so that no new command is issued until the previous command is committed.

ANR1770E Processing for session session id found destination new destination. Expected current destination.

Explanation: While processing a remote image operation, the specified session was working with the current destination. But the server received a client request with a new destination name.

System action: Server operation continues.

User response: From the client, quit the current remote image request. Reissue the request, if desired.

ANR1771E The path from remote server remote server name to destination destination name with the destination device type is not valid.

Explanation: The library manager receives a command to update the path for the remote server. The device type field of the destination device is not valid. The destination for update path from remote server must be either drive or library.

System action: Server operation continues.

User response: Determine why the device type field of the destination device is not valid.

ANR1772E The path from source source name to destination drive name is taken offline.

Explanation: The path is now marked offline.

System action: The path is inaccessible.

User response: Determine the reason the path is inaccessible, such as a hardware problem. Make any needed corrections. Then, issue the the UPDATE PATH command with the ONLINE=YES option to make the path online.

ANR1773W Unable to update the path in the database path source name and drive drive name.

Explanation: The system is unable to update the path information in the database table.

System action: None.

User response: None.

ANR1774E The Query Status command failed, and server initialization has not completed. Allow server initialization to complete, and then try the command again.

Explanation: The command Query Status failed because server initialization has not completed.

System action: Server operation continues.

User response: Allow server initialization to complete, and then try the command again.

ANR1775I Data mover mover name has been defined, however a connection to the data mover failed. Please check the attributes of the file server specified in the definition of the data mover.

Explanation: The data mover has been defined in the server database, however the server cannot connect to the file server associated with the data mover. The connection failed because of one of the following possible reasons:

- One of the parameters specified during datamover definition was incorrect: TCP/IP address of the file server, user id, password, TCP/IP port
- File server is not accessible
- NDMP server limits the number of opened NDMP sessions

System action: The data mover is defined to the server.

User response: Check that the file server associated with the data mover is accessible through the network; check each of the attributes specified during datamover definition; check the number of open NDMP sessions with the file server.

ANR1776I Data mover mover name has been updated, however a connection to the data mover failed. Please check the attributes of the file server specified in the update command.

Explanation: The data mover has been updated in the server database, however the server cannot connect to the file server associated with the data mover. The connection failed because of one of the following possible reasons:
One of the parameters specified during datamover update was incorrect: TCP/IP address of the file server, user id, password, TCP/IP port.

- File server is not accessible
- NDMP server limits the number of opened NDMP sessions

**System action:** The data mover definition is updated.

**User response:** Check that the file server associated with the data mover is accessible through the network; check each of the attributes specified in the datamover update command; check the number of open NDMP sessions with the file server.

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**ANR1777I**

*module*(offset): Object object id hi object id lo
  is object name for node node name (node id), filespace filespace name (filespace id).

**Explanation:** The server reported a problem with the specified object. See accompanying messages for further information.

**System action:** Server operation continues.

**User response:** None.

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**ANR1778E** Command: Invalid or missing parameter.

**Explanation:** The specified server command has been entered with an invalid parameter, or, is missing a required parameter.

**System action:** The server ignores the command.

**User response:** Reissue the command and enter the proper syntax.

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**ANR1779I** backupset process name process completed:
  successful count backupset(s) were generated or defined out of total count backupset(s) requested by the command's specifications.

**Explanation:** A GENERATE or DEFINE BACKUPSET command has finished successfully, and the backupsets described in previous messages have been created.

**System action:** The backupsets described have been created.

**User response:** None.

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**ANR1782W** ESTIMATE DBREORG process process number started - server performance may be degraded while this process is running.

**Explanation:** The ESTIMATE DBREORG process has been started as the reported process number. This process estimates the amount of space that the database will reduced by if a database reorganization is performed.

**System action:** This process performs extensive database I/O and may impact other server operations and processes while it is running.

**User response:** This process may be monitored using the QUERY PROCESS command. If this process needs to be cancelled, issue the CANCEL PROCESS command.

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**ANR1783E** ESTIMATE DBREORG process process number failed and only evaluated pages evaluated database pages.

**Explanation:** The ESTIMATE DBREORG process failed to complete successfully. It only evaluated pages evaluated database pages.

**System action:** None.

**User response:** If the has been cancelled, this message will be issued. If this processed failed to process but was not cancelled, it is likely that it failed because it was not able to acquire access to the necessary database pages to perform the evaluation. Retry the operation.

---

**ANR1784I** A database reorganization would reduce the database utilization by an estimated space recovered MB.

**Explanation:** The ESTIMATE DBREORGSTATS process completed and determined that the database space utilized would be reduced by space recovered megabytes if a database reorganization were performed.

**System action:** Server operations continue normally, and the ESTIMATE DBREORGSTATS process completes.

**User response:** This message reports the estimated database space recovered if a database reorganization were to be performed. The Tivoli Storage Manager administrator should evaluate this information relative to their current database utilization, expected database growth and changes, and determine whether or not a database reorganization is needed for this server. To reorganize the server database, refer to DSMSERV UNLOADDB, DSMSERV LOADFORMAT, and DSMSERV LOADDB in the Administrator's Reference.

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**ANR1785I** ESTIMATE DBREORG process is already running.

**Explanation:** The ESTIMATE DBREORG process is already running. The server does not allow more than one instance of this process to be running at a time.

**System action:** None.

**User response:** Use the QUERY PROCESS command to monitor the existing process. If the existing process needs to be cancelled, issue the CANCEL PROCESS command.
ANR1786W  HBAAPI not able to get adapter name.
Explanation: The HBAAPI function getAdapterName failed. The server will continue to access next adapter if it exists.
System action: None.
User response: The Tivoli Storage Manager SAN discovery will not work with this Host Bus Adapter. For the list of supported HBAs and required driver levels by operating system go to http://WWW.IBM.COM/SUPPORT.

ANR1787W  Unable to open adapter adapter name.
Explanation: The HBAAPI function to open the host bus adapter (HBA) failed.
System action: None.
User response: The Tivoli Storage Manager SAN discovery will not work with this Host Bus Adapter. For the list of supported HBAs and required driver levels by operating system go to http://WWW.IBM.COM/SUPPORT.

ANR1788W  Unable to retrieve the adapter attributes for adapter name.
Explanation: The HBAAPI function failed to retrieve the adapter attributes. This problem is caused by a nonfunctional Fibre Channel adapter on the system. Check this adapter to ensure it works properly. This problem also can be caused by other non Fibre Channel types of adapters on the system, such as, a SAS or a parallel SCSI adapter. This message can be ignored if you are using a non Fibre Channel adapter.
System action: None.
User response: SAN discovery does not work for this adapter. For the list of supported HBAs and required driver levels by operating system visit http://WWW.IBM.COM/SUPPORT.

ANR1789W  Get HBA target mapping failed.
Explanation: The HBAAPI function to get the target mapping failed.
System action: None.
User response: SAN discovery will not work for this adapter. For the list of supported HBAs and required driver levels by operating system go to http://WWW.IBM.COM/SUPPORT.

ANR1790W  SAN discovery failed.
Explanation: SAN discovery failed.
System action: None.
User response: SAN discovery failed. This may be a problem with the HBA firmware, HBA or the HBA vendor's HBAAPI driver. For the list of supported HBAs and required driver levels by operating system go to http://WWW.IBM.COM/SUPPORT.

ANR1791W  HBA API wrapper library file name failed to load or is missing.
Explanation: This library is provided by Tivoli Storage Manager. It is required for discovery of devices on a SAN.
- For windows, the HBAAPI wrapper library is hbaapi.dll.
- For AIX, the HBAAPI wrapper library is libHBAAPI.a.
- For Solaris, the HBAAPI wrapper library is libhbaapi32.so for 32 bit application and libhbaapi64.so for 64 bit application.
- For Linux, the HBAAPI wrapper library is libhbaapi32.so for 32 bit application and libhbaapi64.so for 64 bit application.
System action: None.
User response: Make sure the HBAAPI wrapper library for this platform is in the same directory as the IBM Tivoli Storage Manager server executable. AIX is the only exception with HBAAPI wrapper library libHBAAPI.a in /usr/lib.

ANR1792W  HBAAPI vendor library failed to load or is missing.
Explanation: The HBAAPI vendor library failed to load or is missing. This HBAAPI library is provided by the Host Bus Adapter (HBA) vendor. It is required for Tivoli Storage Manager server to discover devices on the SAN.
System action: None.
User response: Ensure the HBAAPI file exists on the system. If the driver level on your system is not supported, go to the HBA vendor's website and download/install the HBA driver. For the list of supported HBAs and required driver levels by operating system go to http://WWW.IBM.COM/SUPPORT. The following is an example of some of the HBA vendor's HBAAPI file:
- For UNIX systems, This HBAAPI vendor library's location is indicated in /etc/hba.conf. For example:
  - q1aq2x00 /usr/11ib/1ibql1sdm.so
  - com.emulex.emulexapilibrary
    /usr/11ib/1lbemulexhbaapi.so
- For Windows systems, verify the location of the HBAAPI vendor library by checking LibraryFile in:
  - HKEY_LOCAL_MACHINE
    SOFTWARE
    SNIA
    HBA
    <HBAAPI library>

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ANR1793W  TSM SAN discovery is not supported on this platform or this version of OS.

**Explanation:** SAN discovery for this platform is currently not supported.

**System action:** None.

**User response:** SAN discovery will not work for this platform.

- For AIX, we only support AIX5.2F and above
- For HP, we do not support this platform yet.
- For Linux, we do not support Linux-zOS yet.
- For Windows, we do not support Windows 2003 64 bit yet.

For the list of supported HBAs and required driver levels by operating system go to http://WWW.IBM.COM/SUPPORT.

ANR1794W  TSM SAN discovery is disabled by options.

**Explanation:** SAN discovery is disabled by option SANDISCOVERY OFF or SANDISCOVERY UNSCANNEDPATHOFF.

**System action:** None.

**User response:** SAN discovery is currently disabled either by default by the SANDISCOVERY OFF option depending on the platform or by the SANDISCOVERY UNSCANNEDPATHOFF option. For the list of supported HBAs and required driver levels by operating system go to http://WWW.IBM.COM/SUPPORT.

ANR1795I  The device driver has been updated successfully for device old device name. The new device name is new device name.

**Explanation:** This message is displayed in response to the CHANGE DEVDRIVER command. The device driver for device old device name has been updated successfully.

**System action:** Server operation continues.

**User response:** None.

ANR1796E  Device device name is not supported by the IBM Tivoli Storage Manager device driver.

**Explanation:** Device device name is not supported by the IBM Tivoli Storage Manager device driver. The hardware ID was not found in the IBM Tivoli Storage Manager device driver INF file, i.e. tsmlb.inf and tsmmt.inf.

**System action:** The server fails the command.

**User response:** Access the Tivoli Storage Manager Web site at www.ibm.com/software/sysmgmt/products/support/IBM_Tivoli_Storage_Manager.html and navigate to the device support information for the server's operating system. Verify if the device is supported. If the device is supported by the IBM Tivoli Storage Manager device driver, contact your service representative.

ANR1797E  Device driver update failed for device device name.

**Explanation:** The CHANGE DEVDRIVER operation failed for device device name.

**System action:** The activity that generated this error fails.

**User response:** None.

ANR1798E  The Tivoli Storage Manager device driver is not installed, or one or more device driver files are missing.

**Explanation:** The server command has failed because the Tivoli Storage Manager device driver is not installed, or one or more device driver files are missing.

**System action:** The operation fails.

**User response:** Make sure the Tivoli Storage Manager device driver is installed, and the following files are not missing. %WINDIR%\system32\drivers\tmscsi.sys (or tmscsi64.sys for 64-bit Windows), %WINDIR%\inf\tsmmt.inf, and %WINDIR%\inf\tsmlb.inf.

ANR1800E  Missing or invalid EVENTLOG command parameter.

**Explanation:** The event logging command issued contains an invalid parameter, or is missing a required parameter.

**System action:** The command is ignored.

**User response:** Reissue the command with the proper parameters.
ANR1801E  Eventlog command: Invalid event or event class - Event or event class name.

Explanation:  An event logging command has been entered which specifies an unknown event or event class.

System action:  The command is ignored for the invalid event or event class. Any valid events or classes specified are processed.

User response:  Reissue the command with the correct event or event class.

ANR1802E  Device device name was not found.

Explanation:  The device was not found in the device information set. The vendor ID and/or product ID, or device name may be invalid, or the device has been removed from the system.

System action:  The activity that generated this error fails.

User response:  Reissue the command with the correct vendor ID and product ID, or device name.

ANR1803W  SAN discovery module module name is not installed correctly.

Explanation:  The server attempted to load the SAN discovery module, but the permissions or ownership of the file are incorrect.

System action:  Server operation continues, but without SAN discovery function.

User response:  Ensure that the SAN discovery module is executable, has the setuid bit turned on, and is owned by root. The SAN discovery module is called 'dsmqsan' and must reside in the server or storage agent executable directory.

ANR1804W  Command: Process process number skipping volume volume name in storage pool pool name because the volume is in use by another process.

Explanation:  The command shown specifies the volume to be processed, but that volume is currently being used by another operation.

System action:  The server skips the volume and processes the next available volume.

User response:  Check the activity log to determine which operation was using the volume. If the operation using the volume is complete reissue the Command to process the skipped volume.

ANR1805E  command: Invalid value paths for NUMDBDIRS parameter.

Explanation:  During processing of command EXTEND DSpace command, an invalid value is encountered for the NUMDBDIRS parameter. The value should be from 1 to 3

System action:  Server operation continues, but the command is not processed.

User response:  Issue the command with a valid value.

ANR1806I  Table reorganizing and updating statistics performed successfully for processed table.

Explanation:  Reorganize and Runstat successfully run on that table.

System action:  Server operation continues.

User response:  No user action required.

ANR1807I  Table updating statistics performed successfully for processed table.

Explanation:  Runstat successfully run on that table.

System action:  Server operation continues.

User response:  No user action required.

ANR1808E  Unable to open event log file file spec for appending.

Explanation:  The server cannot write to a file which has been specified for event logging.

System action:  No logging will be done to the file receiver.

User response:  Check the file for proper access permissions, or specify a different file for logging.

ANR1809E  Insufficient memory to activate event logging.

Explanation:  A BEGIN EVENTLOGGING command has been entered, but the server has insufficient memory available to activate logging.

System action:  The command is ignored.

User response:  If logging is required, make more memory available to the server then restart the server.

ANR1810E  Eventlog command: Invalid receiver - receiverName.

Explanation:  An event logging command has been entered which specifies an unknown event log receiver (maybe unknown just to this platform).

System action:  The command is ignored for the
invalid receiver. Any valid receivers specified are processed.

User response: Reissue the command with the correct receiver.

**ANR1811W** The Host Bus Adapter API package might not be installed.

System action: None.

User response: The HBA API does not provide the number of Fibre Channel adapters from the host system. The HBA API file version that is on your operating system might not be supported or the HBA API package might not be installed. Go to the HBA vendor website to obtain the latest version of the HBA API. For a list of supported HBAs and required HBA API levels by operating system, go to http://www-1.ibm.com/support/docview.wss?uid=swg21193154.

**ANR1812E** DELETE FILESPACE filespace name for node node name failed deletion because of a replication in progress.

Explanation: The reported filespace belonging to the reported node is currently being replicated as part of a REPLICATE NODE command. A filespace cannot be deleted while the replication is in progress.

System action: The DELETE FILESPACE ends with a state of FAILURE.

User response: Use the QUERY PROCESS command to view active REPLICATE NODE processes. Either wait for the replication to complete or cancel the replication process with the CANCEL PROCESS or CANCEL REPLICATION commands, and reissue the DELETE FILESPACE command.

**ANR1813W** Filespace filespace name for node node name is a replication replication role.

Explanation: The reported filespace is either the source or target of a replicated node. The DELETE FILESPACE command will delete the data on this server, but will not delete the data on any other replication servers.

System action: The DELETE FILESPACE command continues.

User response: If this message indicates this filespace is the source of replicated data, then login to all servers containing replicated data from this filespace and issue the DELETE FILESPACE command to remove the data from those servers. If this message indicates this filespace is the target of replicated data, ensure that the filespace on the source server is either deleted, or updated to no longer replicate to this server.

**ANR1814W** The database manager cannot load the security plugin file name.

Explanation: The database manager cannot load the security plugin. This plugin controls access to the database manager from the Tivoli Storage Manager server.

System action: The server stops.

User response: Inspect the DB2 diagnostic log file to identify the reason the database manager cannot load the security plugin. Correct the problem and restart the server.

**ANR1815W** Check target server for storage problems during replication of node node list.

Explanation: During the replication process for the specified nodes, there were problems storing data at the replication target server.

System action: Processing ends.

User response: Check the activity log of the target server for specific error messages relating to data storage during the replication process.

**ANR1816W** The names of one or more files were truncated. Examine log file log file name for details.

Explanation: The DSMSERV INSERTDB command attempted to insert a database row describing a file whose path name is longer than the maximum path name supported by Tivoli Storage Manager V6. The Tivoli Storage Manager V5 server supported path names of up to 8000 bytes, but the V6 server does not allow path names to be longer than 6000 bytes.

System action: The name of the file was replaced by a system-generated name. Information needed to restore the file to its original name was written to the specified log file.

The log file contains two sections. The first section lists files whose names were truncated. The second section identifies the node names and filespace names of the truncated files.

The first section is identified by the header “-- Truncated Files --”. Each line of this section identifies one file whose name was truncated. The line consists of four fields, separated by tabs:

- Node ID - a numeric identifier for the node that owns the file.
- Filespace ID - a numeric identifier for the file’s filespace.
- New Name - the system generated name that was assigned to the file.
- Original Name - the original name of the file.
The second section is identified by the header "-- Node and Filespace Names --

Each line in this section maps the node ID and filespace ID associated with one or more of the files in the first section to a node name and filespace name that can be specified on a restore command. The line consists of four fields, separated by tabs:

- Node ID - a numeric identifier for the node that owns the file.
- Node Name - the name of the node associated with the node ID.
- Filespace ID - a numeric identifier for the file's filespace.
- Filespace Name - the name of the filespace associated with the filespace ID.

User response: Inspect the contents of the specified log file. If necessary, use the information in the log file to restore the files to their original name.

---

**ANR1817W** command: No valid nodes were identified for import on target server tgtServerName.

**Explanation:** During a server-to-server export, the import process on the target server reported that none of the node definitions in the export data were valid for import. No node data was imported on the target server.

**System action:** None.

**User response:** Check for warning or error messages on the target server and handle as needed.

---

**ANR1818W** command: No valid nodes were identified for import.

**Explanation:** During a server import process none of the node definitions in the import data were valid for import. No node data was imported.

**System action:** None.

**User response:** Check for warning or error messages during the import process on the server and handle as needed.

---

**ANR1819E** Permission denial to device device name.

**Explanation:** A read-only attribute is assigned to non-root users and their tape device files. If this attribute is not changed, non-root users cannot store data to tape devices. This only affects HP-UX, Linux, and Solaris operating systems.

**System action:** The open operation fails.

**User response:** Issue the CHMOD system command to change the read-only attribute for specific tape device files and run the previously failed operation again. See Technote 1321130 for details about resolving this problem: https://www-304.ibm.com/support/

---

**ANR1820E** The server could not connect to the database manager by using TCP/IP port port number.

**Explanation:** The server attempted to connect to the database by using TCP/IP, but it was not able to do so.

**System action:** The server stops.

**User response:** First, verify that the port number is not already in use. Possible methods include:

- On Unix systems, inspect /etc/services for an occurrence of the port number.
- Use the netstat command to determine if a service is listening on the port number.

If a conflict is detected, specify a different port number on the DBMTCPPORT option in the server options file and restart the server.

If no conflict is found, use the "db2 get database manager config" command to verify that the SVCENAME configuration parameter is set to the port number identified by the message. If not, then use the "db2 update database manager config using SVCENAME port number" command to manually update the configuration parameter. Ensure that the value specified is also specified on the DBMTCPPORT server option. Restart the server.

Finally, use the "db2set" command to verify that the DB2COMM environment variable is set to "TCPIP". If not, then use the "db2set DB2COMM=TCPIP" command to set the environment variable and restart the server.

---

**ANR1821W** Event logging is not started for the receiverName receiver.

**Explanation:** In response to a BEGIN EVENTLOGGING command, recording of event log records to the specified receiver was attempted. The event logging for the specified receiver is already started because either the receiver is currently running or the receiver was terminated previously and is still in the process of writing the messages that were queued up for processing.

**System action:** None.

**User response:** Check to see if the event log receiver is already started by issuing the QUERY STATUS command, and checking the Active Receivers field. Some event log receivers such as FILETEXT, FILETEXTEXIT, USEREXIT, and Tivoli receiver, can be started during server initialization if they are configured in the server options file.

- If the event log receiver is already started you do not take any further action.
• If the event log receiver is not currently running then wait and try to start it again after a short delay.

**ANR1822I**  Event logging ended for the `receiverName` receiver.

**Explanation:** In response to an END EVENTLOGGING command or because an error occurred, event log records are no longer being output to the specified receiver.

**System action:** None.

**User response:** None.

**ANR1823I**  Event logging ended for all receivers.

**Explanation:** In response to an END EVENTLOGGING command, event log records are no longer being output to any receiver.

**System action:** None.

**User response:** None.

**ANR1824E**  Event logging is inactive for the specified receiver.

**Explanation:** An END EVENTLOGGING command has been entered, but logging is not active for the specified receiver.

**System action:** The command is ignored.

**User response:** If logging is desired, use the ENABLE EVENT and BEGIN EVENTLOGGING commands to activate event logging.

**ANR1825I**  Event logging active for the `receiverName` receiver.

**Explanation:** In response to a BEGIN EVENTLOGGING command, event log records are now being output to the specified receiver.

**System action:** None.

**User response:** None.

**ANR1826I**  Event logging active for all receivers.

**Explanation:** In response to a BEGIN EVENTLOGGING command, event log records are now being output to all receivers.

**System action:** None.

**User response:** None.

**ANR1827E**  Event log command: No valid receiver specified.

**Explanation:** An event logging command has been entered, and no valid receivers were specified.

**System action:** The command is ignored.

**User response:** Reissue the command with the correct receiver.

**ANR1828E**  Event log command: No valid event specified.

**Explanation:** An event logging command has been entered and no valid events or event classes were specified.

**System action:** The command is ignored.

**User response:** Reissue the command with the correct events or event classes.

**ANR1829E**  Event log command: Server events may not be disabled for the activity log receiver.

**Explanation:** A DISABLE EVENT command has been entered for the activity log receiver.

**System action:** The command is ignored for the activity log receiver. Any valid receivers specified are processed.

**User response:** Reissue the command with the correct receiver.

**ANR1830E**  `receiverName` receiver options not defined in the server options file.

**Explanation:** A BEGIN EVENTLOGGING command has been entered for a receiver, but the required receiver options were not specified in the server options file.

**System action:** Logging is not started for the specified receiver.

**User response:** Enter the receiver options in the server options file and restart the server.

**ANR1831I**  Event logging of client events ended for `ACTLOG` receiver.

**Explanation:** An END EVENTLOGGING command has been entered for the activity log receiver.

**System action:** The server no longer records client events in the activity log. Server events continue to be recorded in the activity log.

**User response:** None.

**ANR1842E**  An error occurred on the `receiverName` receiver.

**Explanation:** An error occurred on the specified receiver.

**System action:** The server no longer sends events to the receiver.

**User response:** Issue a BEGIN EVENTLOGGING
command for the receiver to attempt to start logging events to the receiver again.

**ANR1843I**  Event log receiver initialization in progress.

**Explanation:** Initialization is starting for the eventlog receivers.

**System action:** None.

**User response:** None.

**ANR1844I**  Eventlog command command processed.

**Explanation:** The specified command was processed.

**System action:** None.

**User response:** If any previous messages indicate that parts of the command failed, reissue the command for those parts only.

**ANR1850E**  Circular event logging detected. The event server has previously handled event Event number from Source trail. To prevent looping, events which have already been logged by the event server are not sent again. Please correct the situation causing circular logging to avoid wasting system resources.

**Explanation:** The server is attempting to log an event which has previously been handled by the event server that is currently defined.

**System action:** The event is not sent to the event server. Other events will still be sent, and this message will be issued periodically if this situation is detected again.

**User response:** Determine what is wrong with the server to server event logging setup, and fix the problem.

**ANR1851E**  The source trail for server to server event logging has exceeded the maximum length of Maximum sourcetrail length bytes.

**Explanation:** While attempting to log an event to the event server, the server has found that the source trail length is too long.

**System action:** The server continues to try to send the event to the event server, but the source trail may be truncated and appear something like:

    name1>...>name$x$>namey

    where,
    name1   is the originator of the event.
    ...     is where intervening server name(s)
             have been left off the source trail.

**ANR1855E**  Failure validating protocol between client and server for node node on session session number

**Explanation:** For a node having the “VALIDATE PROTOCOL” option set to either “DATAONLY” or “ALL”, a validation error occurred. The transaction is aborted and an indication is sent to the client indicating the failure.

**System action:** None.

**User response:** Verify network connections and contact your service representative if this error persists.

**ANR1856W**  Command: No volumes selected to process.

**Explanation:** No volumes were eligible for processing by the AUDIT VOLUME command based upon the parameters specified.

**System action:** The AUDIT VOLUME process ends without processing any volumes.
User response: Review the parameters specified for the command. If there was an error specifying a parameter, re-issue the command with the parameter corrected.

---

**ANR1857I** AUDIT VOLUME will start count repair processes.

Explanation: The AUDIT VOLUME command will process a range of volumes due to one or more of the following parameters having been specified: FROMDATE, TODATE, or STGPOOL. The AUDIT VOLUME processing will start a process for each volume that qualifies and process an AUDIT VOLUME for each volume with FIX=YES specified.

System action: One or more volumes are audited and inconsistent data is discarded.

User response: Enter 'Y' to audit the volume or 'N' to stop the process.

---

**ANR1858I** AUDIT VOLUME will start count inspect processes.

Explanation: The AUDIT VOLUME command will process a range of volumes due to one or more of the following parameters having been specified: FROMDATE, TODATE, or STGPOOL. The AUDIT VOLUME processing will start a process for each volume that qualifies and process an AUDIT VOLUME for each volume with FIX=NO specified.

System action: The administrator is asked whether to continue.

User response: Enter 'Y' to audit the volume or 'N' to stop the process.

---

**ANR1859W** Node node on session session id received CRC protocol validation information when it is not configured to do so.

Explanation: The server received protocol validation information for the session and node specified. The settings for this node are not configured to perform protocol validation and any CRC information received will be ignored.

System action: The server operation continues.

User response: The server administrator should evaluate whether or not this node should perform protocol validation. If so, issue the UPDATE NODE command and specify the VALIDATEPROTOCOL option with the appropriate setting to enable protocol validation.

If this is a TYPE=SERVER node for the target of a virtual volume operation and protocol validation is not desired, the server definition on the source server should be updated with VALIDATEPROTOCOL=NO set. Otherwise, if protocol validate is desired, the SERVER type node on the target server should be updated using the UPDATE NODE command with VALIDATEPROTOCOL=ALL.

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**ANR1860E** Drive with serial serial element element port port and target target lun lun does not match with the library libraryPath.

Explanation: 

System action: 

User response: 

---

**ANR1861E** Drive with element element port port and target target lun lun does not match with the library libraryPath.

Explanation: 

System action: 

User response: 

---

**ANR1862W** Command: This command will remove all replication information for the server with ID Unique ID.

Explanation: All replication information stored on this server that references the indicated server will be deleted. Subsequent replications to the indicated server may cause data to be re-sent.

System action: The system asks whether you wish to continue with the REMOVE REPLSERVER command.

User response: To process the REMOVE REPLSERVER command, enter 'Y' to continue or 'N' to stop the process.

---

**ANR1863E** library libraryPath and serial serial does not support Read Element Status command. It is very old and should be replaced with newer model.

Explanation: 

System action: 

User response: 

---

**ANR1864E** library libraryPath does not support Read Element Status command and it does not have a serial number. It is very old and should be replaced with newer model.

Explanation: 

System action: 

User response:
ANR1865I  export command: Summary for Restartable Export operation export identifier:

Explanation: A summary of the total number of objects transmitted in the restartable export operation with export identifier is displayed following this message.

System action: Export processing for the command ends. Server operation continues.

User response: None.

ANR1866I  Export/import command: Processing suspended with status status.

Explanation: The background process to service the command command was suspended with a SUSPEND command.

System action: Processing for the command stops. Statistics on the number and type of objects moved, together with the total number of bytes copied, are displayed on the server console following this message.

User response: None.

ANR1867I  Export/import command: Processing completed with status status.

Explanation: The background export or import process to service the command command has completed with status status. If the status is INCOMPLETE, some files have been skipped due to errors reading or writing the file.

System action: Export or import processing for the command completes. Statistics on the number and type of objects moved, together with the total number of bytes copied, are displayed on the server console following this message. A summary of the number of files that were skipped is also displayed.

User response: None.

ANR1868I  Export/import command: Copied number bytes of data.

Explanation: The background export or import process to service the command command copies number bytes of data from the server database and data storage to the export media or from the export media to the server database and data storage. This figure can be used during export preview processing to estimate the number of removable media volumes needed to hold the exported information from the server.

System action: Export or import processing for the command completes. Server operation continues.

User response: None.

ANR1869I  Export/import command: Skipped archive number archive files, backup number backup files, and spacemg number space managed files.

Explanation: The background export or import process to service the command command skipped archive number archive file copies, backup number backup file copies, and spacemg number space-managed files from either the server database to export media or from import media into the server database. Data is not actually moved if Preview=Yes is specified in the command command.

System action: Export or import processing for the command completes. Server operation continues.

User response: Check previous messages for the names of the files that were not exported or imported, and problem determination information.

ANR1870I  Export/import command: Copied number kilobytes of data.

Explanation: The background export or import process to service the command command copies number kilobytes of data from the server database and data storage to the export media or from the export media to the server database and data storage. This figure can be used during export preview processing to estimate the number of removable media volumes needed to hold the exported information from the server.

System action: Export or import processing for the command completes. Server operation continues.

User response: None.
**ANR1872I** Export/import command: Copied number megabytes of data.

**Explanation:** The background export or import process to service the command `export/import command` copies `number` megabytes of data from the server database and data storage to the export media or from the export media to the server database and data storage. This figure can be used during export preview processing to estimate the number of removable media volumes needed to hold the exported information from the server.

**System action:** Export or import processing for the command completes. Server operation continues.

**User response:** None.

**ANR1873I** Export/import command: Copied number gigabytes of data.

**Explanation:** The background export or import process to service the command `export/import command` copies `number` gigabytes of data from the server database and data storage to the export media or from the export media to the server database and data storage. This figure can be used during export preview processing to estimate the number of removable media volumes needed to hold the exported information from the server.

**System action:** Export or import processing for the command completes. Server operation continues.

**User response:** None.

**ANR1874I** Export/import command: Copied number terabytes of data.

**Explanation:** The background export or import process to service the command `export/import command` copies `number` terabytes of data from the server database and data storage to the export media or from the export media to the server database and data storage. This figure can be used during export preview processing to estimate the number of removable media volumes needed to hold the exported information from the server.

**System action:** Export or import processing for the command completes. Server operation continues.

**User response:** None.

**ANR1875I** Export/import command: Detected number errors.

**Explanation:** The background export or import process to service the command `export/import command` detects `number` errors while copying information from the server database and data storage to the export media or from the export media to the server database and data storage.

**System action:** Export or import processing for the command completes. Server operation continues.

**User response:** Complete one of the following options:
- Specify a smaller value for DIAGSIZE.

**ANR1876W** Export/import command: Detected an unexpected value, `value`, for the data-transfer path option setting for node `node name`. The default value of 'ANY' is used for the node.

**Explanation:** The export or import operation detected an unexpected data-transfer path value for the node. As a result, the default value of 'ANY' is used for the node and indicated data-transfer path option.

**System action:** Export or import processing for the command completes. Server operation continues.

**User response:** If the data-transfer path setting of 'ANY' is acceptable for the node, do nothing further. If you must change the setting, use the UPDATE NODE command.

**ANR1877E** NAS backup process terminated - NAS file server `NAS file server name` reported illegal arguments.

**System action:** The indicated process ends.

**User response:** Verify that the file space exists on the NAS file server. If backing up a NAS virtual file space, verify that the path specified in the virtual file space exists.

For details about how to identify the cause of the terminated NDMP operations, see the NAS file-server documentation. Check the NDMP logs for the NAS file server and correct the cause of the errors and restart the operation.

**ANR1878E** A database manager configuration parameter cannot be updated. The value of the DIAGSIZE parameter is greater than the amount of free space available in the database manager's diagnostic data directory.

**Explanation:** The error occurred because the current value of the DIAGSIZE database manager configuration parameter is greater than the amount of free space in the drive or the file system that contains the diagnostic data directory.

**System action:** The operation fails. Depending on the configuration parameter that is being updated, the server might stop.

**User response:** Complete one of the following options:
- Specify a smaller value for DIAGSIZE.
Change the location of the diagnostic data directory to a drive or file system that has more free space.

Increase the amount of free space on the drive or file system containing the diagnostic data directory.

To check the current setting of the DIAGSIZE configuration parameter, issue the following database command:

db2 get dbm cfg

and search for "DIAGSIZE".

To change the value of the DIAGSIZE configuration parameter, issue the following command:

db2 update dbm cfg using DIAGSIZE new_size

where new_size is the new value for DIAGSIZE in megabytes. Valid values range from 2 and greater.

See the following topic in the information center:

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**ANR1879E** Command or operation: Multiple replication server IDs match the specified ID pattern.

**Explanation:** During a REMOVE REPLSERVER command, a wildcard was used for the replication server ID. This resulted in more than 1 matching server ID. To avoid accidental erasure of replication information, only a single replication server ID can be removed at a time.

**System action:** The command is terminated by the server.

**User response:** Issue the REMOVE REPLSERVER command with a more specific replication server ID value such that only one matching server ID is selected.

---

**ANR1880W** Server transaction was canceled because of a conflicting lock on table table name.

**Explanation:** The server online reorganization for the referenced table could not be completed because of a lock conflict between the reorganization process and a server process. The server process was canceled to allow the reorganization process to be completed. In some cases, the server might need to cancel multiple server processes to resolve the lock conflict. Consequently, this message might be displayed multiple times as server processes are forced to stop. In addition, other server application error messages might be displayed as the lock conflicts are resolved.

**System action:** The server will continue to operate; however, until the lock conflict is resolved, no new reorganizations will be started.

---

**ANR1881E** Command or operation: Failure because the LDAPUSER password is expired.

**Explanation:** The password credentials for the user account specified as the LDAPUSER are expired and need to be updated.

**System action:** The operation fails.

**User response:** The administrator for the LDAP directory server must update the password for the LDAPUSER account in the LDAP directory server. Then, after the LDAP administrator updates the password, issue the LDAPPASSWORD command to match the new password. Reissue the command that failed.

---

**ANR1882E** Command or operation: A password was reset and must change while accessing the LDAP administrator or node entry admin or node name with administrator/node name or LDAPUSER credentials.

**Explanation:** The password credentials used for this operation were reset and you must update the password on the LDAP directory server.

**System action:** The operation requires a password update.

**User response:** If the operation used the LDAPUSER credentials, update the password for the user account specified as the LDAPUSER in the LDAP directory server. If the operation used node or administrator credentials, a password expiration status is issued to force a password update.

---

**ANR1883E** Command or operation: An access failure occurred while accessing the LDAP administrator or node entry admin or node name with administrator/node name or LDAPUSER credentials.

**Explanation:** The command failed after the Tivoli Storage Manager server accessed an entry in the LDAP directory server and received a locked account error.

**System action:** The operation fails.

**User response:** If the operation used the LDAPUSER credentials, unlock the user account specified as the LDAPUSER in the LDAP directory server. If the operation used node or administrator credentials, unlock the node or administrator by issuing the UPDATE NODE or UPDATE ADMIN command with a password or directly unlock the node or administrator account in the LDAP directory server.
ANR1884E  Command or operation: An authentication failure occurred with the LDAP directory server when the LDAPUSER credentials were used.

Explanation: The Tivoli Storage Manager server tried to authenticate and access was denied.

System action: The operation fails.

User response: Validate that the LDAPUSER, the LDAPPASSWORD, and the LDAPURL are set to the correct values. Correct any invalid setting and reissue the command or operation.

ANR1885E  Command or operation: Permission was denied when the LDAP administrator or node entry admin or node name was accessed as administrator/node name or LDAPUSER.

Explanation: The command failed after the Tivoli Storage Manager server authenticated with the LDAP directory server as the LDAPUSER. Permission was denied when the server tried to add, modify or delete an entry in the LDAP directory server.

System action: The operation fails.

User response: The user specified by the LDAPUSER needs full access control over the distinguished name (DN) specified in the LDAPURL server option. Correct the access control rights of the LDAPUSER or provide a different LDAPUSER who has full access control rights over the Tivoli Storage Manager server's DN.

ANR1886E  Entry entry name was not found in the LDAP directory server.

Explanation: The command failed because the Tivoli Storage Manager server tried an operation on an LDAP entry that was not found on the LDAP directory server.

System action: The operation fails.

User response: The Tivoli Storage Manager server ran an operation with the LDAP directory server and the operation failed. Update the LDAP directory server settings or contact your LDAP administrator to resolve this issue.

ANR1887E  Command or operation: Failure when working with the LDAP directory server.

Explanation: The command or operation failed because of an error returned by the LDAP directory server.

System action: The operation fails.

User response: The Tivoli Storage Manager server ran an operation with the LDAP directory server and the operation failed. Specific error details are contained in previous messages. The common causes of LDAP failures are as follows:

- A communication error occurred with the LDAP directory server
- The LDAPURL is invalid or missing (wrong hostname or base DN)
- The LDAPUSER is invalid or missing (wrong value or locked)
- The LDAPPASSWORD is invalid or missing (wrong value or expired)

Update the LDAP directory server settings or contact your LDAP administrator to resolve this issue.

ANR1888W  Session session number for node node name (client platform) refused - client requires SSL connection with this server.

Explanation: No SSL connection was established, therefore the server did not start a client session because the client node or admin requires an SSL connection.

System action: Server operation continues.

User response: Configure the client to use SSL or update the node or admin definition on the server such that SSL is not required (update SSLREQUIRED parameter). If the node is created with SSLREQUIRED=SERVERONLY, a corresponding admin definition is created with SSLREQUIRED=YES. To use a non-SSL session with a storage agent, rename the admin with the identical name by issuing the RENAME ADMIN command.

ANR1889W  Session session number was terminated during backup for node node name (client platform), with file space filesystem id or name because a restore operation is in progress.

Explanation: During a file backup operation, the server ends a node session because one or more files are locked by a restore operation.

System action: The backup session is terminated by the server.

User response: Issue the QUERY RESTORE command with FORMAT=DETAILED to determine if the restore operation is active or is in a restartable state. A restartable restore operation keeps files locked until the amount of time that is specified for the RESTOREINTERVAL server option is reached. You can lower this value to free up locked files. Issue the QUERY OPTION command to display the current setting for the RESTOREINTERVAL option.

If you received this message due to a client backup operation, restart the operation after the restore operation failed. Specific error details are contained in previous messages. The common causes of LDAP failures are as follows:

- A communication error occurred with the LDAP directory server
- The LDAPURL is invalid or missing (wrong hostname or base DN)
- The LDAPUSER is invalid or missing (wrong value or locked)
- The LDAPPASSWORD is invalid or missing (wrong value or expired)
operation has completed in order to move any remaining files. You can also cancel the restartable restore session with the CANCEL RESTORE command.

**ANR1890W** Backup operation for session session number node client node name failed due to root-only restriction.

*Explanation:* The backup operation failed because a non-root user attempted the operation. A restriction is in place to disallow backup operations by non-root users for the indicated node.

*System action:* The backup operation is terminated. A message is issued by the client. For clients that are levels prior to 6.3, message ANS0350E may appear.

*User response:* Retry the backup operation as the root user.

**ANR1891I** Process process ID for process name completed with a completion state of SUCCESS.

*Explanation:* The process completed with a completion state of SUCCESS without any warnings or more-severe messages.

*System action:* None.

*User response:* None.

**ANR1892W** Process process ID for process name completed with a completion state of SUCCESS but warning or more-severe messages were issued.

*Explanation:* The process completed with a completion state of SUCCESS but warning messages or more-severe messages were issued by this process. This process may not have completed all of the processing.

*System action:* None.

*User response:* Review the messages in the activity and event logs that were issued by this process. Determine if the conditions that caused these messages to be issued had an affect on the operation.

**ANR1893E** Process process ID for process name completed with a completion state of FAILURE.

*Explanation:* The process completed with a state of FAILURE.

*System action:* None.

*User response:* Review the messages in the activity and event logs that were issued by this process. Determine the conditions that caused these messages to be issued, resolve those issues and retry the operation.

**ANR1894E** Replication for node node name, file space file space name failed because of a lock conflict.

*Explanation:* The server could not obtain a resource that is required to replicate the indicated file space.

*System action:* The command continues, but replication of the indicated file space fails.

*User response:* To increase the probability of acquiring all the necessary resources for replication, run the REPLICATE NODE command when server activity is relatively low.

**ANR1895W** Command or operation: The password for the node node name now uses case-sensitive passwords.

*Explanation:* The node is authenticating with an LDAP directory server. The LDAP authentication password policy is dictated by the LDAP directory server and this usually requires passwords to be case-sensitive.

*System action:* None.

*User response:* None.

**ANR1896E** Unable to allocate volume volume name because it is still referenced in the volume history.

*Explanation:* The volume cannot be allocated because the active volume history record shows the volume as being in use.

*System action:* The active volume history record shows the volume as being in use.

*User response:* The volume is being managed by the server or it might be incorrectly referenced in the volume history table due to out-of-date records. To check the records and confirm the volume history status, issue the QUERY VOLHISTORY command. If there is an invalid volume history record, use the DELETE VOLHISTORY command to remove the record. If the DELETE VOLHISTORY command fails, contact IBM Software Support to remove the record.

**ANR1897I** LDAP password removed.

*Explanation:* The password that the server uses to authenticate with the LDAP server was removed by the SET LDAPPASSWORD command.

*System action:* None.

*User response:* None.
ANR1898I  LDAP user name removed.

Explanation: The LDAP user distinguished name (DN) that the server uses to authenticate with the LDAP server was removed by the SET LDAPUSER command.

System action: None.
User response: None.

ANR1899W  Command or operation: Unable to work with the LDAP directory server.

Explanation: The command or operation finished, but the Tivoli Storage Manager server did not work with the LDAP directory server because the LDAP directory server configuration is incomplete. If a node or administrator was being created or updated on the LDAP server, you cannot use it to logon until the server is able to use LDAP directory server information.

System action: The operation finished, but information was not added to the LDAP directory server.
User response: An operation was run on the Tivoli Storage Manager server with the LDAP directory server. The operation succeeded, but information was not added to the LDAP directory server because the LDAP directory server configuration is incomplete.

ANR1900E  Path between server server source and library parm is not allowed.

Explanation: You must specify a path from the current server to the library when you are defining the library. You cannot specify a path from a different server.

System action: The server ignores the command.
User response: Reissue the command with a different source or destination name or define a new path.

ANR1901I  The specified session is associated with process name process process id and can not be cancelled.

Explanation: The server can not cancel the session because it is associated with a running process.

System action: Server operation continues.
User response: The session can only be cancelled by cancelling the associated process. Use the CANCEL PROCESS command to cancel a process.

ANR1902W  Node node name on server server name is not enabled for replication. It will not be replicated.

Explanation: The server is not able to replicate the specified node because the node on the specified target server is not enabled for replication.

System action: The node is not replicated to the specified server. Server operation continues.
User response: Enable the node on the target server for replication and rerun the replication command.

ANR1903E  Export export name is not defined.

Explanation: An NFS client attempted to mount the specified name as a mount point. The specified name is not currently being exported by the server.

System action: The server does not provide an export of the specified directory.
User response: Ensure that an NFS ADDEXPORT command was issued for the specified node.

ANR1904E  Missing or invalid value for option. A valid directory needs to be defined for this.

Explanation: The server detects a missing or invalid value for a server option. A valid directory needs to be defined for this option.

System action: Server initialization stops.
User response: Correct the error and restart the server.

ANR1905E  Path dir name for parm does not exist or is not empty.

Explanation: The directory specified does not exist or is not empty.

System action: The server stops.
User response: Reissue the command with a valid path name.
ANR1906E  Command: failed to extend the database space.

Explanation: A failure occurred during the extend database space. This occurred during the processing of a 'EXTEND DBSPACE' command.

System action: Server operation continues.

User response: Review error messages to determine the cause of the failure and retry the 'EXTEND DBSPACE' once the issue has been resolved. If unable to determine the cause of the failure or to resolve it, please contact your IBM service representative for further assistance.

ANR1907E  The server can not resolve absolute path of directory dir name. That path might not exist.

Explanation: The directory specified does not exist or is not accessible.

System action: The server operation stops.

User response: Reissue the command with a valid path name.

ANR1908W  Invalid value for parameter parameter - parameter value MB. The default value default value MB is used for this parameter.

Explanation: The value (parameter value) specified for the (parameter) parameter is not a valid. The server uses the default value for this parameter.

System action: Processing of the command continues by using the default value.

User response: Verify that the correct value have been used. Update the value, if necessary.

ANR1909W  Invalid value for option name option - option valuetype . The default value default valuetype is used for this option.

Explanation: The value (option value) specified for the (option) option is not valid. The server uses the default value for this parameter.

System action: Server operation continues.

User response: Verify that the correct value have been used. Update the value, if necessary.

ANR1910E  Directory directory name is already defined for other path in the command.

Explanation: While processing the command argument list, a duplicate path name has been encountered.

System action: The command terminates.
ANR1917E Autocopy process process ID failed for storage pool storage pool name. Files Backed Up: number of files,Bytes BackedUp: number of bytes. Result code: return code.

Explanation: An autocopy process to the named active/copy storage pool has ended in failure.

System action: None.

User response: Check the activity log for messages that were issued prior to completion. The messages may give more information about the failure.

ANR1918I Autocopy process process ID stopped for storage pool Storage pool name because of a server error.

Explanation: An autocopy process to the named active-data or copy storage pool has been disabled.

System action: None.

User response: Check the activity log for messages that were issued before the process stopped. The messages may give more information about the failure.

ANR1919W Autocopy process process ID was disabled for storage pool Storage pool name. At least one storage pool in the hierarchy is enabled for deduplication.

Explanation: All autocopy processes have been disabled because at least one target storage pool is enabled for deduplication.

System action: None.

User response: Either disable deduplication for all storage pools in the storage-pool hierarchy or remove the deduplicated storage pool from the autocopy storage-pool hierarchy.

ANR1920W A query for the number of HBA adapters has timed out with a current value of timeout value.

Explanation: The HBAAPI function to get the number of HBA adapters failed with a time out.

System action: None.

User response: Check all of the HBA adapters on the system and ensure that they are configured correctly. If there is an FC adapter that is not functional, remove it from the system and reconfigure the HBA driver. If there is no device on an FC port, increase the SANDISCOVERYTIMEOUT value and try again. If the SANDISCOVERYTIMEOUT option is not set, set it with a higher value.

ANR1921W A query for the name of an HBA adapter has timed out with a current value of timeout value.

Explanation: The HBAAPI function to get a name from an FC adapter failed with a time out.

System action: None.

User response: Check all of the HBA adapters on the system and ensure that they are configured correctly. If there is an FC adapter that is not functional, remove it from the system and reconfigure the HBA driver. If there is no device on an FC port, increase the SANDISCOVERYTIMEOUT value and try again. If the SANDISCOVERYTIMEOUT option is not set, set it with a higher value.

ANR1922W A request to open an HBA adapter timed out with a current value of timeout value.

Explanation: The HBAAPI function to open an FC adapter failed with a time out.

System action: None.

User response: Check all of the HBA adapters on the system and ensure that they are configured correctly. If there is an FC adapter that is not functional, remove it from the system. If there is no device on an adapter port, increase the SANDISCOVERYTIMEOUT value to allow the operating system sufficient time to respond. If the SANDISCOVERYTIMEOUT option is not set, set it with a value higher than the default value.

ANR1923W A query for fibre channel adapter attributes has timed out after timeout value seconds.

Explanation: A request to the HBAAPI library to obtain attributes for a fibre channel (FC) adapter has failed to respond within the allotted time.

System action: None.

User response: Ensure all fibre channel adapters on the system are configured correctly. If there is an adapter that is non-functional, remove it from the system. If there is no device on an adapter port, increase the SANDISCOVERYTIMEOUT value to allow the operating system sufficient time to respond. If the SANDISCOVERYTIMEOUT option is not set, set it with a value higher than the default value.

ANR1924W A query for fibre channel (FC) port attributes has timed out after timeout value seconds.

Explanation: A request to the HBAAPI library to obtain port attributes for a fibre channel (FC) adapter has failed to respond within the allotted time.

System action: None.
User response: Ensure all fibre channel adapters on the system are configured correctly. If there is an adapter that is not functional, remove it from the system. If there is no device attached to a particular adapter, increase the SANDISCOVERYTIMEOUT value to allow the operating system sufficient time to respond. If the SANDISCOVERYTIMEOUT option is not set, set it with a value higher than the default value.

ANR1925W A query for the fibre channel (FC) target mapping has timed out after $timeout$ value seconds.
Explanation: A request to the HBAAPI library to obtain target mappings for a fibre channel (FC) adapter has failed to respond within the allotted time.
System action: None.
User response: There might be too many devices to be discovered, given the allotted time. If the SANDISCOVERYTIMEOUT option is set, increase the value. If the SANDISCOVERYTIMEOUT option is not set, set the option to a value higher than the default value.

ANR1926W A SCSI inquiry has timed out after $timeout$ value seconds.
Explanation: A request to the HBAAPI library to query SCSI devices has failed to respond within the allotted time.
System action: None.
User response: Ensure all devices connected to the fibre channel (FC) adapters are operational. Remove non-functional devices from the SAN and reconfigure the devices on the system. If there is no device on an FC port, increase the SANDISCOVERYTIMEOUT value and try again. If the SANDISCOVERYTIMEOUT option is not set, set it with a value higher than the default value.

ANR1927W Autocopy process process ID stopped for storage pool $Storage pool name$. The data format or device type was not compatible with the data format or device type of the primary pool.
Explanation: An autocopy process to the named active-data or copy storage pool was disabled.
System action: None.
User response: Use the QUERY STGPOOL command to check the data format of the storage pools. Use the QUERY DEVCCLASS command to check the device types of the device classes associated with the storage pools.

ANR1928W The file descriptor table for the SAN discovery process is full.
Explanation: There might be too many paths that have been changed and updated by the SAN discovery process.
System action: None.
User response: Use one of the following methods to resolve this problem:
- Use the SANREFRESHTIME option to increase the amount of time elapsed before the cached SAN discovery information is refreshed. For example: setopt sanrefreshtime 600.
- Increase the nofiles (descriptors) in ulimit and restart the Tivoli Storage Manager server.

ANR1929E Replication of node node name to target replication server target server failed. The replication mode of the source node is SYNCSEND, and the node is not defined on the target replication server.
Explanation: In order to replicate a node that is in Sync Send mode the target node must exist on the target replication server and be in Sync Receive mode.
System action: The replication of the node’s data fails. Server operation continues.
User response: Issue the REMOVE REPLNODE command for the node on the source server, and then issue the UPDATE NODE command and specify ENABLED or DISABLED. The replication mode of the node on the source replication server is automatically set to SEND after the UPDATE NODE command is issued. After issuing the command, try the replication operation again.

ANR1930E command: There are no eligible filesystems for node node name.
Explanation: The specified node has no filesystems that can be replicated.
System action: The operation continues.
User response: Check replication settings for the filesystems belonging to the node and retry the command.

ANR1931E command: No replication-eligible data was found for the specified nodes and file spaces.
System action: The operation ends.
User response: Verify that the specified nodes have data and file spaces. Verify that replication is enabled for data types in file spaces that you want to replicate. To determine the replication status for a file space, use the QUERY FILESPACE command.
ANR1932I  command: A NAS backup image for node node name, file space filespace name was skipped for replication.

Explanation: The replication process has determined that a NAS backup image is not eligible for replication because the image, or one of its dependent files is stored in a non-native storage pool.

System action: Replication processing continues.
User response: No action is required.

ANR1933W  Replication of BACKUP data for file space filespace name on node node name skipped because of a restore operation on target server target server.

Explanation: During replication processing, the file space on target replication server has a pending restore operation. Files cannot be stored into the file space while the pending restore is active.

System action: The files are not replicated on the target replication server.
User response: Use the QUERY RESTORE command and specify the FORMAT=DETAILED parameter to determine if the restore operation is restartable on target replication server. A restartable restore operation locks the files. The files cannot be moved until the value for the RESTOREINTERVAL server option is reached. Use the QUERY OPTION command to display the RESTOREINTERVAL value. You can lower the RESTOREINTERVAL value to remove a restartable restore operation earlier in the replication process and to unlock the file space. Reissue the REPLICATE NODE command after the restore operation has completed to replicate any remaining files.

ANR1934W  REPLICATE NODE: Node node name is disabled.

Explanation: The requested node is disabled for replication, and has been skipped.

System action: The replication proceeds, but this node is skipped.
User response: Enable the node for replication using the UPDATE NODE command and retry the REPLICATE NODE command.

ANR1935W  Session session number for node node name (client platform) refused because the server initialization is not complete after timeout value minutes.

Explanation: The specified session is refused because the server initialization did not complete within the specified time.

System action: The session is ended and server initialization continues.
User response: Enable the node for replication using the UPDATE NODE command and retry the REPLICATE NODE command.

ANR1936E  Replication of data type data for file space filespace name (fsId filespace id) on node node name failed with reason: reason.

Explanation: The server could not replicate the specified file space for the reason indicated in the message text.

System action: The command continues, but replication of the file space fails.
User response: Review the reason for the failure and correct the problem, if possible. Then rerun the REPLICATE NODE command.

ANR1937I  Failover Session session num for replica node nodename (platform) is enabled for store operations.

Explanation: The specified replica node is in failover mode and is now eligible for store operations.

System action: Any store operations request by the client on this session will be allowed to proceed.
User response: None.

ANR1938W  The next storage pool is no longer defined for source pool storage pool name.

Explanation: The storage pool that is being migrated no longer has a next storage pool to migrate data to.

System action: The migration fails because there is no target storage pool.
User response: Ensure that the storage pool being migrated has a next storage pool before running any further migration operations.

ANR1939W  Session session number for node node name (client platform) No failover server information currently exists for this node.

Explanation: No failover server is identified for the node. The client removes any failover configuration that is stored in the client options file.

System action: Server operation continues.
User response: To ensure that failover can occur, replicate this node to a secondary server.
ANR1940E  Source file(line number): Unique ID generation failed with Return code.

Explanation: An internal error occurred when a unique ID is created. This error message always accompanies another error message which provides more details about the error.

System action: Server operation continues.
User response: Review the reason for the failure and correct the problem, if possible.

ANR1941I  Replicating option set option set name from source server source server name.

Explanation: A new option set which is referenced by a replicated node is is created by the replication process from the definition on the source replication server.

System action: Server operation continues.
User response: None.

ANR1942W  Option set option set name already exists. Skipping for replication from source server source server name.

Explanation: A new option set which is referenced by a replicating node is not replicated because an option set with the same name already exists on this server. The option set is not a replica of the option set for the source server.

System action: Server operation continues.
User response: In order to replicate the required option set, consider copying the option set to an option set with a different name an update the replicating node to reference the new option set.

ANR1943I  Replicated option set option set name being updated with option set from source server source server name.

Explanation: An existing replicated option set on this server is updated with an option set with the same name from the source server.

System action: Server operation continues.
User response: None.

ANR1944I  Replicating option set option set name with option count options needed by node referencing node to server target server.

Explanation: An option set on this server is replicated to a target server because it is referenced by a node which is being replicated.

System action: Server operation continues.
User response: None.

ANR1945I  Option set option set name successfully replicated to server target server.

Explanation: An option set on this server has been successfully replicated to the target server.

System action: Server operation continues.
User response: None.

ANR1946W  Option set option set name already exists on target server target server and is not replicated.

Explanation: An option set on this server could not be replicated to the target server because an option set with the same name already exists on the target server.

System action: Server operation continues.
User response: A node that is replicated references an option set that exists on both the source and target servers. Determine which option set is used on the target server. When you decide which option to use, rename the definition on the other server by copying it to a new option set name and deleting the original option set.

ANR1947E  Replication of option set option set name to target server target server failed. See activity log on target server for possible errors.

Explanation: An error occurred on the target server while replicating the specified option set.

System action: Server operation continues.
User response: Check the activity log of the target server for possible errors.

ANR1948W  Volume mount request for volume name denied - server operation cannot wait for the volume.

Explanation: If an operation acquired a volume and a second operation waits for that same volume, the first operation does not wait to acquire any other volumes. If the first operation was allowed to wait for another volume, a deadlock could occur.

System action: Server operations continue, volume acquisition may be tried again, including attempts to mount scratch tapes, but the server operation does not wait to acquire the volume.
User response: If the server operation succeeds, no action is required. However, if the operation fails, you need to supply more scratch tapes to the storage pool.
ANR1949W Session session number for node node name (client platform) refused - the node has a unicode filespace but the client does not use unicode.

Explanation: The server cannot accept the client session because the client’s platform does not use unicode and the node already contains a unicode filespace. The server records whether or not the client’s data is unicode, and does not let the node change this attribute.

System action: Server operation continues, but the node session is refused.

User response: Logon to the server from a client with a platform that uses unicode data. For example, the original platform that was used to create the existing filespace for this node. Alternatively, if the client node needs to change to the platform that is currently being attempted, remove the existing filespace that contain unicode data and try the node connection again.

ANR1950W Device type device type in device class device class is not supported during a migration from z/OS to AIX, or from z/OS to Linux on System z. The device class will be skipped.

Explanation: During a migration from z/OS to AIX, or from z/OS to Linux on System z, a device class was encountered that had a device type that is not supported on the target platform.

System action: The device class will not be added to the target database.

User response: No action is required.

ANR1951W Device class device class uses a recording format format (format code) that is not supported for device type device type. FORMAT=DRIVE will be used instead.

Explanation: During a migration from z/OS to AIX, or from z/OS to Linux on System z, a device class was encountered that uses a recording format that is not supported by the device type on the target platform.

System action: The recording format will be replaced with FORMAT=DRIVE.

User response: Verify whether FORMAT=DRIVE supports your media type. If not, update the device class, specifying a supported recording format.

ANR1952I Library library name was added to the definition of device class device class.

Explanation: During a migration from z/OS to AIX, or from z/OS to Linux on System z, a device class definition was updated to include a library that will be used for accessing media through the z/OS Media Server.

System action: The device class will be modified to use the new library.

User response: No action is required.

ANR1953E command: target platform cannot be the target of a database upgrade from source platform.

Explanation: A cross-platform database upgrade is not supported between the indicated source and target platforms.

System action: The INSERTDB command stops.

User response: Rerun the INSERTDB command on a supported platform.

ANR1954W Library definition library was not sent to downlevel storage agent stagent.

Explanation: The storage agent has requested a definition for a library type that is not supported and the server has not sent the definition.

System action: The storage agent does not process the library definition.

User response: Upgrade the storage agent to a level that supports the library type.

ANR1955E The level of DB2 installed on the system (current db2 level) is lower than the required level (required db2 level).

Explanation: The DB2 level on the system does not meet the requirements for this server. The server package includes the required DB2 level which is installed along with the server. If the DB2 level is incorrect, it is possible that DB2 failed to upgrade during the server upgrade process.

System action: The server stops.

User response: To resolve the issue, complete the following steps:

1. Verify the level of DB2 installed on the system: Run `db2level`
2. Review the installation log files to determine the problem that caused the DB2 upgrade failure.
3. Fix the problem and install the server again.

Do not alter the DB2 software that is installed with Tivoli Storage Manager installation packages and fix packs. Do not install or upgrade to a different version, release, or fix pack of DB2 software. If you are unable to fix the problem, contact IBM Software Support.
ANR1956W  The password for the administrator administrator name is expired.

Explanation: The administrator is attempting to open a session to a remote server. The password is expired on the local server.

System action: Operation continues. The remote session may be refused.

User response: Update the password at your earliest convenience.

ANR1957W  Command or operation: The password for the administrator administrator name now uses case-sensitive passwords.

Explanation: The administrator is authenticating with an LDAP directory server. The LDAP authentication password policy is dictated by the LDAP directory server and this usually requires passwords to be case-sensitive.

System action: None.

User response: None.

ANR1958I  Command: Administrator administrator ID is already registered and locked.

Explanation: An import process is trying to import an administrator ID that is registered and locked on the server.

System action: The process continues without importing the ID.

User response: Unlock admin ID ADMIN_CENTER or log off the administrator. Try the operation again.

ANR1959I  Status monitor collecting current data at time.

Explanation: The status monitor processing is collecting a current set of data for the server at the indicated time.

System action: The process collects the monitored status data elements.

User response: The monitor status processing is enabled using the SET MONITORSTATUS command. The interval with which it collects data is controlled by the SET STATUSREFRESHINTERVAL. If the status data is being collected too frequently, increase the collection interval. Note that the administrative graphical user interface relies upon this data, do not turn off the status monitor processing if this interface will be used for the administration of Tivoli Storage Manager.

ANR1960I  Status monitor finished collecting data at time and will sleep for refreshinterval minutes.

Explanation: The status monitor processing finished a data collection cycle and will sleep for the indicated number of minutes before waking up and attempting to process again.

System action: The status monitor data collection process is idle.

User response: The monitor status processing is turned off using the SET MONITORSTATUS command. As a result of this, the administrative graphical user interface will not be able to manage this server.

ANR1961I  Status monitor collector finished and exiting.

Explanation: The status monitor collector is terminating processing because the status monitoring function has been set to off.

System action: None, the status monitor collector terminates.

User response: The monitor status processing was turned off using the SET MONITORSTATUS command.

ANR1962W  command: This command is being routed to one or more servers, so its potential effect cannot be determined. Depending on the parameters that you specify, the command can be destructive or can produce a large amount of output. Destructive commands can halt the server, delete data, or change data placement or retention policies.

Explanation: The command is destructive or produces a large amount of output.

System action: Tivoli Storage Manager prompts the user to continue.

User response: Enter 'Y' to continue with the command. Enter 'N' if you do not want to continue with the command.

ANR1963E  command: This command cannot be issued from the server console.

Explanation: This command cannot be issued from the server console because it may require a long time to complete and the server console should be available to control other server functions.
**ANR1964W**  •  **ANR1970E**

**System action:** The server ignores the command and continues processing.

**User response:** Issue the command from an administrative client.

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**ANR1964W**   **command:** This command may produce a large amount of output.

**Explanation:** A command has been invoked that could potentially produce a large amount of output.

**System action:** The administrator is asked whether to continue.

**User response:** Enter 'Y' to continue with the command or 'N' to terminate the command.

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**ANR1965E**   **Command:** You requested to add or remove filespace filespace name for the node collocation group collocation group name. Filespaces cannot be added to or removed from node collocation groups.

**Explanation:** The command was issued and the specified collocation group exists. However, the collocation group is a node collocation group and a filespace cannot be added to or removed from a node collocation group.

**System action:** Server operations continue, but the command is not processed.

**User response:** Issue the command and specify a registered collocation group that can contain filespace collocation group members.

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**ANR1966E**   **Command:** A filespace name must be provided so you can add or remove a collocation group member for filespace collocation group collocation group name.

**Explanation:** The command was issued, and the specified collocation group exists. However, the collocation group is a node collocation group and a filespace name was not provided when issuing this command.

**System action:** Server operations continue, but the command is not processed.

**User response:** Issue the command and specify a filespace name to be added to the filespace collocation group.

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**ANR1967E**   **Command:** The filespace name filespace name is not valid. The filespace name must be the wildcard character when you specify the CODEType parameter.

**Explanation:** The command was issued, but there is a mismatch between the filespace name and the CODEType value. When you specify the CODEType value, the filespace name must be a wildcard character.

**System action:** Server operations continue, but the command is not processed.

**User response:** Issue the command and specify a wildcard character for the filespace name in combination with the NAMEType parameter.

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**ANR1968E**   **Command:** The filespace name filespace name is not valid. The filespace name must be the wildcard character when you specify the CODEType parameter.

**Explanation:** The command was issued, but there is a mismatch between the filespace name and the CODEType value. When you specify the CODEType value, the filespace name must be a wildcard character.

**System action:** Server operations continue, but the command is not processed.

**User response:** Issue the command and specify a wildcard character for the filespace name in combination with the NAMEType parameter.

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**ANR1969E**   **Command:** The filespace ID filespace ID is not a valid filespace ID. Filespace IDs must be numeric values when the NAMEType parameter is FSID.

**Explanation:** The command was issued, but the list of filespace IDs are not numeric. When you specify the NAMEType=FSID parameter, the filespace names in the filespace name list must contain only numbers.

**System action:** Server operations continue, but the command is not processed.

**User response:** Issue the command and specify a list of filespace IDs that contain only numbers.

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**ANR1970E**   **Command:** An invalid node name list node name was specified. A single node name must be specified when working with filespace collocation group members.

**Explanation:** The command was issued, but the list of node names is invalid. When working with filespace collocation group members, only one node name can be specified.

**System action:** Server operations continue, but the command is not processed.

**User response:** Issue the command and specify a single node name.
ANR1971W  Command: No matching file space was found for file space filesystem name on node node name using the specified NAMETYPE and CODETYPE parameters.

Explanation: The server did not find a matching file space name or file space ID for the file space and node that are specified in the command.

System action: The server ends the command.

User response: Enter the command with file space names or file space IDs that refer to defined file spaces for the specified node. Note that file space names are case sensitive. Enter the file space names by using exactly the same upper- and lowercase characters that match the file space name that is defined on the server. File space name searches are also sensitive to NAMETYPE (SERVER, UNICODE, FSID) and CODETYPE (BOTH, UNICODE, NONUNICODE) parameters. Issue the QUERY FILESPACE command to determine which file spaces and file space IDs are defined for a node on the server.

ANR1972W  Command: No new file space associations were added to the collocation group.

Explanation: The specified command was issued but no new file space associations are defined for the collocation group.

System action: Server operations continue, but the command has no effect.

User response: Issue the command and specify different file spaces.

ANR1973W  Command: Nodes in the NODE parameter list node list may not contain wildcard characters when dealing with filesystem groups. No filesystem associations were deleted from the collocation group.

Explanation: The specified command was issued but no file space associations are deleted.

System action: Server operations continue, but the command has no effect.

User response: Issue the command and specify a valid client node without wildcards.

ANR1974W  Command: Files in the FILESPACE parameter list filesystem list are not associated with the filesystem collocation group collocgroup name. No filesystem associations were deleted from the collocation group.

Explanation: The specified command was issued but no file space associations are deleted.

System action: Server operations continue, but the command has no effect.

User response: Issue the command and specify different file spaces.

ANR1975W  Node node name is already associated with node collocation group node collocation group name. File spaces that belong to same node name cannot be added to the user specified collocation group collocation group.

Explanation: This message is displayed in response to the DEFINE COLLOCMEMBER command that is used for creating file space collocation group members. Node node name is already associated with the node collocation group name collocation group name and file spaces that belong to a node that is already in a node collocation group cannot be added to a file space collocation group. The indicated file spaces are not processed.

System action: Server operations continue.

User response: If the node name was entered incorrectly, issue the command again with the correct node name.

ANR1976I  Command: number of filesystem members are defined in the collocation group collocation group name.

Explanation: A DEFINE COLLOCMEMBER command created the specified number of filesystem members in the indicated collocation group.

System action: None.

User response: None.

ANR1977I  File space filesystem name on node node name is associated with filesystem collocation group collocation group name.

Explanation: This message is displayed in response to the DEFINE COLLOCMEMBER command. File space filesystem name on node node name is associated with the filesystem collocation group name collocation group name.

System action: Server operations continue.

User response: None.

ANR1978W  File space filesystem name on node node name is already associated to filesystem collocation group collocation group name.

Explanation: This message is displayed in response to the DEFINE COLLOCMEMBER command. Filespace filesystem name is already associated with a filesystem collocation group with the name collocation group name. The indicated file space is not processed. The other
filespace name exists on node node name but the filesystem is not a member of the specified collocation group collocation group name.

Explanation: This message is displayed in response to the DELETE COLLOCMEMBER command. Filespace filesystem name is not associated with a filesystem collocation group with the name collocation group name. The indicated filesystem is not processed. The other filesystems can be processed if specified by the command.

System action: Server operations continue.
User response: If the filesystem name was entered incorrectly, issue the command again with the correct filesystem name.

ANR1985E The remote monitoring admin admin name does not exist.

Explanation: The administrator used to monitor remote servers does not exist.

System action: Remote monitoring sessions will be ended.
User response: Use the SET MONITORINGADMIN command to set a new administrator for monitoring remote servers.
ANR1986E The remote monitoring server group group name does not exist.

Explanation: The server group being remotely monitored does not exist.

System action: Remote monitoring sessions will be ended.

User response: Use the SET MONITOREDSERVERGROUP command to set a new group for monitoring remote servers.

ANR1987E A communication error occurred during session session number with monitored server server name.

Explanation: The communication error occurred while the system was receiving information from the specified monitored server.

System action: The monitoring that was in progress failed. The server will attempt to re-establish communications with the monitored server.

User response: If this error occurs frequently, consult your network administrator. Also review the activity log on both servers for messages that are related to remote monitoring.

ANR1988W The remote monitoring session for server server name was refused - server is down-level.

Explanation: The specified remote server cannot be monitored because it must be V6.3.4 or later.

System action: Server operation continues.

User response: Upgrade the specified remote server or remove it from the remote monitoring server group using the DELETE GRPMEMBER command.

ANR1989W Remote monitoring of server server name could not be started. Will retry in minutes minutes.

Explanation: An error occurred while attempting to monitor the specified remote server.

System action: Server operation continues. The specified remote server is not being monitored. The server will attempt to start monitoring again after the specified number of minutes.

User response: Check previous messages in the activity log. Verify that the specified remote server is running and is available on the network. If you no longer want this remote server to be monitored, remove it from the remote monitoring server group using the DELETE GRPMEMBER command.

ANR1990I Remote monitoring started for server server name.

Explanation: The specified remote server is now being monitored.

System action: Server operation continues.

User response: None.

ANR1991I Remote monitoring ended for server server name.

Explanation: The specified remote server is no longer being monitored.

System action: Server operation continues.

User response: None.

ANR1992E Command: The parameter parameter is missing.

Explanation: The specified server command has been entered without all required parameters. At least the named parameter is missing.

System action: The server ignores the command.

User response: Reissue the command and enter the proper syntax.

ANR1993I command has been removed.

Explanation: The specified command was a valid server command, but is no longer needed due to new capabilities in the TSM server. The command has been removed.

System action: The server ignores the command.

User response: None.

ANR1994I Activity log pruning started: removing delete megabytes M based on current size current size megabytes M and retention setting retention size megabytes M.

Explanation: Server activity log exceeds the retention size by the delete megabytes specified. The activity log pruning will delete as many records as necessary to reduce the current activity log size by the delete megabytes size.

System action: None.

User response: None.

ANR1995E Command: Invalid Formatsize value - formatsize value for device class Device Class

Explanation: A value was specified for the Formatsize parameter which is larger than the maximum capacity value for the device class indicated in the message.
device class is associated with the storage pool specified in the DEFINE VOLUME command and is a FILE device type. The maximum capacity value of the device class is the limit of data that the server will write to the volume.

System action: The server does not process the command.
User response: Reissue the command with a Formatsize value which is less than the maximum capacity value of the storage pool. The maximum capacity can be displayed with the QUERY DEVCLASS classname F=D command.

ANR1996I Command completed successfully.
Explanation: Processing for the specified command completed successfully.
System action: Server processing continues.
User response: None.

ANR2000E Unknown command - command.
Explanation: The specified command is not a valid server command.
System action: The server ignores the command.
User response: Reissue the correct command.

ANR2001E Insufficient server memory to initiate command.
Explanation: A command has been entered, but the server cannot obtain enough internal memory to process the command.
System action: The server ignores the command.
User response: See the documentation for the operating system about how to increase memory for an application.

ANR2002E Missing closing quote character.
Explanation: A server command that contains a quoted parameter has been entered, but a matching closing quote is missing.
System action: The server ignores the command.
User response: Reissue the command with properly matched quotes.

ANR2003E Illegal use of keyword parameter character (=) - parameter.
Explanation: A server command contains the parameter shown followed by an equal sign (=), but the parameter is not a keyword parameter.
System action: The server ignores the command.
User response: Reissue the command and enter the proper syntax.

ANR2004E Missing value for keyword parameter - parameter.
Explanation: A server command containing a keyword parameter has been entered, but the value for the parameter is missing.
System action: The server ignores the command.
User response: Reissue the command and supply a
value for the keyword parameter.

ANR2005E  Keyword parameter character (=) may not be surrounded by blanks.

Explanation:  A server command contains a keyword parameter followed by an equal sign (=), but the equal sign is preceded or followed by a blank, or both.

System action:  The server ignores the command.

User response:  Reissue the command without blanks next to the equal sign.

ANR2006E  Activity log process was not started, the default output stream cannot be opened.

Explanation:  The process that monitors the default (console) output stream and maintains the activity log cannot access that output stream.

System action:  The server does not update the activity log.

User response:  Contact your service representative.

ANR2007E  Activity log process was not started, due to an internal error.

Explanation:  The process that monitors the default (console) output stream and maintains the activity log cannot start due to a server internal error.

System action:  The server does not update the activity log.

User response:  Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR2008E  Activity log process has stopped - database transaction could not be started.

Explanation:  The process that monitors the default (console) output stream and maintains the activity log cannot continue due to a server transaction failure. This may be a memory shortage error.

System action:  The server stops updating the activity log.

User response:  See the documentation for the operating system about how to increase memory for an application.

ANR2009E  Activity log process has stopped - database error.

Explanation:  The process that monitors the default (console) output stream and maintains the activity log cannot continue due to a server database error.

System action:  The server stops updating the activity log.

User response:  Contact your service representative.

ANR2010W  The active log space is full. Console messages cannot be logged until log space becomes available.

Explanation:  If a log runs out of space, the current transaction is rolled back. The server issues an error message and halts. You cannot restart the server until the recovery log size is increased.

System action:  The server halts.

User response:  Monitor archive logs and active logs. If the recovery log space is insufficient, monitor the archive log space first. If the archive log space is full or nearly full, run a full database backup to remove archive logs and consider adding more disk space to the archive log directory. If the archive log space is not full and the active log space is full or nearly full, update the value of the ACTIVELOGSIZE option in the dsmserv.opt file. Set the value of the ACTIVELOGSIZE option to the new maximum size of the active log.

ANR2011W  The server ran out of database space while entries were being added to the active log. Console messages will not be logged until database space becomes available.

Explanation:  The process that monitors the console output stream and maintains the active log cannot update the active log because of insufficient database space.

System action:  The server fails to update the active log.

User response:  To increase the amount of database space that is available to the server, issue the EXTEND DBSPACE command. Add one or more directories to the database.

ANR2012W  Activity log process has encountered unexpected table data output in the default output stream.

Explanation:  The process that monitors the default (console) output stream and maintains the activity log has detected invalid data in the console stream.

System action:  The server stops updating the activity log.
User response: Contact your service representative.

The activity log process has encountered unexpected output data in the console output stream. The process will be restarted.

Explanation: The process that monitors console output and maintains the activity log has detected invalid data (unknown data type) in the console stream.

System action: The server restarts the activity log recording process. While the process is restarting, the server may not be able to record some console messages in the activity log.

User response: See the documentation for the operating system about how to increase memory for an application.

Activity log pruning process could not be started, due to an internal error.

Explanation: The process that removes expired records from the server activity log cannot begin execution due to a server internal error.

System action: The server does not prune the activity log.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

Activity log failure - database transaction could not be started.

Explanation: The process that removes expired records from the server activity log has failed due to a database transaction failure, which may be a memory shortage error.

System action: The server ends activity log pruning.

User response: See the documentation for the operating system about how to increase memory for an application.

Activity log failure - database error.

Explanation: The process that removes expired records from the server activity log has failed due to a server database error.

System action: The server ends activity log pruning.

User response: Contact your service representative.
ANR2022E  Command: One or more parameters are missing.
Explanation: The specified server command has been entered without all required parameters.
System action: The server ignores the command.
User response: Reissue the command and enter the proper syntax.

ANR2023E  Command: Extraneous parameter - parameter.
Explanation: The specified server command contains more positional parameters than is allowed.
System action: The server ignores the command.
User response: Reissue the command and enter the proper syntax.

ANR2024E  Command: Too many parameters specified.
Explanation: The specified server command contains more positional parameters than is allowed.
System action: The server ignores the command.
User response: Reissue the command and enter the proper syntax.

ANR2025E  Command: Command failed - server thread resource not available.
Explanation: A server command, which has a requirement to start a server thread, has been entered but cannot be executed because no server thread is available.
System action: The command is not executed.
User response: Reissue the command. If the command fails with the same error, wait for server activity to decrease and try again.

ANR2026E  Command: Command failed - sufficient server memory is not available.
Explanation: A server command has been entered but cannot be processed because sufficient memory is not available to the server.
System action: The server does not process the command.
User response: See the documentation for the operating system about how to increase memory for an application.

ANR2027E  Command: Command failed - sufficient server recovery log space is not available.
Explanation: A server command has been entered but cannot be processed because sufficient recovery log space is not available.
System action: The server does not process the command.
User response: An authorized administrator can issue the DEFINE LOGVOLUME command to add volumes for use by the log, and can issue the EXTEND LOG command to extend the size of the log so that the new volumes are used.

ANR2028E  Command: Command failed - sufficient server database space is not available.
Explanation: A server command has been entered but cannot be processed because sufficient database space is not available. For certain operations, like SQL commands, this message can be issued when the database has space, but it is unusable for the current request due to the DB allocation history. In this case, the database query will show a Maximum Reduction of 0.
System action: The server does not process the command.
User response: An authorized administrator can issue the DEFINE DBVOLUME command to add volumes for use by the database, and can issue the EXTEND DB command to extend the size of the database so that the new volumes are used. If the database has space, but the Maximum Reduction is 0, then a database reorganization can also be used to solve the problem. See the IBM Tivoli Storage Manager Guide, Managing the Database and Recovery Log for information on how to reorganize the database.

ANR2029E  Command: Transaction failed; command not executed.
Explanation: A command that is part of the current transaction has failed; therefore, any additional commands fail.
System action: The server does not process the command.
User response: Stop the administrative session, restart it, and try the command again. If this problem persists, contact your service representative.

ANR2030E  Command: Transaction failed; commit not accepted.
Explanation: A command that is part of the current transaction has failed; therefore, a COMMIT command cannot be processed.
System action: The server does not process the COMMIT command.
User response: Stop the administrative session, restart it, and try the command again. If this problem persists, contact your service representative.

ANR2031E Command: At least one attribute must be specified for update.
Explanation: The specified UPDATE command has been entered, but no attributes have been specified for updating.
System action: The server ignores the command.
User response: Reissue the UPDATE command with one or more attributes to be updated.

ANR2032E Command: Command failed - internal server error detected.
Explanation: An internal error has occurred during an attempt to process a server command. This message always accompanies another error message and provides more detail about that error.
System action: The server does not process the command.
User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR2033E Command: Command failed - lock conflict.
Explanation: A server command that requires the server to lock a system resource has been entered. The command cannot be executed because the resource is already in use by another command or process.
System action: The server does not process the command.
User response: Try the command again at a later time.

ANR2034E Command: No match found using this criteria.
Explanation: The specified command has been entered, but no objects that match the criteria can be found. In some cases when using the SELECT command, this message is issued when there is contention for a record.
System action: None.
User response: Verify that all the specified parameter values are correct. If a mistake is found, correct it and reissue the command. If you issued a SELECT command, in some cases issuing the command again will yield a match.

ANR2035E Command: Administrator administrator name is not authorized to issue this command.
Explanation: The specified administrator has entered the indicated command, but this administrator does not have the proper authority necessary to run the command. Note: This message can be issued as a result of the server option REQSYSAUTHOUTFILE YES being in effect.
System action: The server does not process the command.
User response: Examine previous messages for any additional information. Issue the command from a properly authorized administrator ID, or contact the system administrator to have additional authority granted to the current administrator ID.

ANR2036E Command: Process could not be started - sufficient memory is not available.
Explanation: A background process cannot be started for the indicated command because sufficient memory is not available to the server.
System action: A new process is not started to execute this command.
User response: See the documentation for the operating system about how to increase memory for an application.

ANR2037E Command: Process could not be started - lock conflict.
Explanation: A background process cannot be started for the indicated command because a required system resource is already locked by another command or process.
System action: A new process is not started to execute this command. If other processes have been started for this command, these processes may execute successfully.
User response: If necessary, try the command again at a later time.

ANR2038E Command: Process could not be started - server thread resource not available.
Explanation: A background process cannot be started for the indicated command because no server thread is available.
System action: A new process is not started to execute this command. If other processes have been started for this command, these processes may execute successfully.
User response: If necessary, reissue the command. If the command fails with the same error, wait for server activity to decrease and try again.

ANR2039E  Command: Process could not be started - internal server error detected.

Explanation: A background process cannot be started for the indicated command because an internal error has occurred.

System action: A new process is not started to execute this command. If other processes have been started for this command, these processes may execute successfully.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR2040W This command attempts to restore all files in storage pool storage pool which have previously been found to be damaged or which reside on a volume with access mode "destroyed"; existing references to files in storage pool storage pool will be deleted from the database after the files have been restored.

Explanation: Issuing the RESTORE STGPOOL command will result in deletion of existing files in the indicated primary storage pool after these files have been restored from a copy storage pool. If a volume with access mode destroyed becomes empty because all files on the volume have been restored to another location, the destroyed volume will be deleted from the database.

System action: The administrator is asked whether to continue.

User response: Enter ‘Y’ to restore the storage pool, ‘N’ otherwise.

ANR2041W This command attempts to restore all files in storage pool storage pool which reside on one of the volumes specified in the command; existing references to files on these volumes will be deleted from the database after the files have been restored.

Explanation: Issuing the RESTORE VOLUME command causes the access mode of the specified volumes to be updated to destroyed. Existing files will be deleted from the specified volumes after these files have been restored from a copy storage pool. If a volume with access mode destroyed becomes empty because all files on the volume have been restored to another location, the destroyed volume will be deleted from the database.

System action: The administrator is asked whether to continue.

User response: Enter ‘Y’ to restore the volumes, ‘N’ otherwise.

ANR2042E  Command: Copied parameter not valid for pool type storage pool volume.

Explanation: The QUERY CONTENT server command has been entered with an invalid parameter. COPIED is not a valid parameter when the volume specified belongs to a copy or active-data type storage pool.

System action: The server ignores the command.

User response: Reissue the command without the COPIED parameter.

ANR2043E  Command: WAIT parameter not allowed from server console.

Explanation: The WAIT parameter is not allowed for commands issued from the server console.

System action: The command is not executed.

User response: Either reissue the command without the WAIT parameter or else reissue the command from an administrator using an Administrative Client.

ANR2044E  Command: Invalid option's value - Option's value.

Explanation: The set option command has been entered with an invalid value.

System action: The server does not process the command.

User response: Reissue the command with a valid value.

ANR2045E  Command: An error (error code) occurred during a write operation.

Explanation: The server detects an error while attempting a write operation.

System action: Server processing continues.

User response: Refer to the other displayed messages to determine why the write operation has failed.

ANR2046I  optionset name: Optionset optionset name defined.

Explanation: The requested option set has been added to the system in response to a DEFINE OPTIONSET command.

System action: None.
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANR2047E</td>
<td>Command: Optionset optionset name is already defined.</td>
</tr>
<tr>
<td><strong>Explanation</strong>: A DEFINE OPTIONSET command has been entered that specifies an optionset name already defined to the server.</td>
<td></td>
</tr>
<tr>
<td><strong>System action</strong>: The server does not process the command.</td>
<td></td>
</tr>
<tr>
<td><strong>User response</strong>: To define the optionset, reissue the command and specify a different optionset name.</td>
<td></td>
</tr>
</tbody>
</table>

| ANR2048I     | Command: Optionset optionset name deleted. |
| **Explanation**: The requested option set has been deleted from the system in response to a DELETE OPTIONSET command. |
| **System action**: None. |
| **User response**: None. |

| ANR2049I     | Command: Optionset optionset name is not defined. |
| **Explanation**: The command shown specifies an optionset that is not defined in the server. |
| **System action**: The server does not process the command. |
| **User response**: None. |

| ANR2050I     | Command: Option option name defined in optionset option set name. |
| **Explanation**: The requested option has been added to the specified optionset in response to a DEFINE OPTIONSET command. |
| **System action**: None. |
| **User response**: None. |

| ANR2051I     | Command: Option option name, sequence number sequence number is already defined in optionset option set name. |
| **Explanation**: The requested option already exists in the optionset specified by the DEFINE CLIENTOPT command. |
| **System action**: The server does not process the command. |
| **User response**: None. |

| ANR2052E     | Command: Option option name, sequence number sequence number is not defined in optionset option set name. |
| **Explanation**: The requested option is not defined in the optionset specified by the DELETE CLIENTOPT command. |
| **System action**: The server does not process the command. |
| **User response**: None. |

| ANR2053I     | Command: Option option name, sequence number sequence number, has been deleted from optionset option set name. |
| **Explanation**: The requested option has been deleted from the specified optionset in response to a DELETE CLIENTOPT command. |
| **System action**: None. |
| **User response**: None. |

| ANR2054I     | Command: Optionset optionset name updated. |
| **Explanation**: The requested option set has been updated in the system in response to an UPDATE OPTIONSET command. |
| **System action**: None. |
| **User response**: None. |

| ANR2055I     | Command: Optionset source optionset name copied to optionset target optionset name. |
| **Explanation**: This message is displayed in response to the COPY OPTIONSET command. The optionset named source optionset name has been copied to the optionset named target optionset name. |
| **System action**: Server operation continues. |
| **User response**: None. The requested option set has been added to the system in response to a COPY OPTIONSET command. |

<p>| ANR2056E     | Command: Invalid option name - option name. Retry using the full optionname. |
| <strong>Explanation</strong>: The command shown specifies an invalid option name. |
| <strong>System action</strong>: The server does not process the command. |
| <strong>User response</strong>: Reissue the command with a valid option name. |</p>
<table>
<thead>
<tr>
<th>ANR2057E</th>
<th>Command: Invalid option value - option value.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The command shown specifies an invalid option value.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The server does not process the command.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Reissue the command with a valid option value.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR2058W</th>
<th>Command: Options file Filespec not found - user needs to update the file manually.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The server options file cannot be opened or found.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The command is processed but the option is not updated in the options file.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Use a text editor to update the server options file if the user wants to use this value when the server restarts later. If the user does not update the file, the current value in the options file will be used when the server restarts.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR2059W</th>
<th>Command: Error occurs when writing to Filespec - user needs to update the file manually.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>An error occurs when trying to write the new value to the server options file.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The command is processed but the option is not updated in the options file.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Use a text editor to update the server options file if the user wants to use this value when the server restarts later. If the user does not update the file, the current value in the options file will be used when the server restarts.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR2060I</th>
<th>Node node name registered in policy domain domain name.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The requested backup-archive node has been added to the system in response to a REGISTER NODE command and has been assigned to the policy domain indicated.</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>ANR2061I</th>
<th>Node node name removed from policy domain domain name.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>In response to a REMOVE NODE command, the requested backup-archive node has been removed from the system.</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>ANR2062I</th>
<th>Node node name renamed to new node name.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>In response to a RENAME NODE command, the requested backup-archive node has been renamed to the new name shown.</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>ANR2063I</th>
<th>Node node name updated.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>One or more attributes of a backup-archive node have been updated by an UPDATE NODE command.</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>ANR2064I</th>
<th>Node node name locked.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>In response to a LOCK NODE command, the indicated backup-archive node has been locked.</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>ANR2065I</th>
<th>Node node name is already locked.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The indicated backup-archive node referenced in the LOCK NODE command is already locked.</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>ANR2066I</th>
<th>Node node name unlocked.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>In response to an UNLOCK NODE command, the indicated backup-archive node is unlocked.</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>ANR2067I</th>
<th>Node node name is already unlocked.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The indicated backup-archive node referenced in the UNLOCK NODE command is not locked.</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>ANR2068I</th>
<th>Administrator administrator ID registered.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>In response to a REGISTER ADMIN command, the requested administrator ID has been added to the system.</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>
ANR2069I  Administrator administrator ID removed.
Explanation: In response to a REMOVE ADMIN command, the requested administrator ID has been removed from the system.
System action: None.
User response: None.

ANR2070I  Administrator administrator ID renamed to new administrator ID.
Explanation: In response to a RENAME ADMIN command, the requested administrator ID has been changed to the new name shown.
System action: None.
User response: None.

ANR2071I  Administrator administrator ID updated.
Explanation: One or more attributes of an administrative user have been updated by an UPDATE ADMIN command.
System action: None.
User response: None.

ANR2072I  Administrator administrator ID locked.
Explanation: In response to a LOCK ADMIN command, the indicated administrator ID has been locked.
System action: None.
User response: None.

ANR2073I  Administrator administrator ID is already locked.
Explanation: The indicated administrator ID referenced in the LOCK ADMIN command is already locked.
System action: None.
User response: None.

ANR2074I  Administrator administrator ID unlocked.
Explanation: In response to an UNLOCK ADMIN command, the indicated administrator ID is unlocked.
System action: None.
User response: None.

ANR2075I  Administrator administrator ID is already unlocked.
Explanation: The indicated administrator ID referenced in the UNLOCK ADMIN command is not locked.
System action: None.
User response: None.

ANR2076I  System privilege granted to administrator administrator ID.
Explanation: In response to a GRANT AUTHORITY command, system privilege class has been granted to the indicated administrator.
System action: None.
User response: None.

ANR2077I  Unrestricted policy privilege granted to administrator administrator ID.
Explanation: In response to a GRANT AUTHORITY command, unrestricted policy privilege has been granted to the indicated administrator.
System action: None.
User response: None.

ANR2078I  Restricted policy privilege granted to administrator administrator ID - policy domain domain name.
Explanation: In response to a GRANT AUTHORITY command, restricted policy privilege for the specified policy domain has been granted to the indicated administrator.
System action: None.
User response: None.

ANR2079I  Unrestricted storage privilege granted to administrator administrator ID.
Explanation: In response to a GRANT AUTHORITY command, unrestricted storage privilege has been granted to the indicated administrator.
System action: None.
User response: None.

ANR2080I  Restricted storage privilege granted to administrator administrator ID - storage pool storage pool name.
Explanation: In response to a GRANT AUTHORITY command, restricted storage privilege for the specified storage pool has been granted to the indicated administrator.
ANR2081I Analyst privilege granted to administrator administrator ID.
Explanation: In response to a GRANT AUTHORITY command, analyst privilege class has been granted to the indicated administrator.
System action: None.
User response: None.

ANR2082I Operator privilege granted to administrator administrator ID.
Explanation: In response to a GRANT AUTHORITY command, operator privilege class has been granted to the indicated administrator.
System action: None.
User response: None.

ANR2083I System privilege revoked for administrator administrator ID.
Explanation: In response to a REVOKE AUTHORITY command, system privilege class has been revoked from the indicated administrator.
System action: None.
User response: None.

ANR2084I Policy privilege revoked for administrator administrator ID.
Explanation: In response to a REVOKE AUTHORITY command, policy privilege class for all policy domains has been revoked from the indicated administrator.
System action: None.
User response: None.

ANR2085I Restricted policy privilege revoked for administrator administrator ID - policy domain domain name.
Explanation: In response to a REVOKE AUTHORITY command, restricted policy privilege for the specified policy domain has been revoked from the indicated administrator.
System action: None.
User response: None.

ANR2086I Storage privilege revoked for administrator administrator ID.
Explanation: In response to a REVOKE AUTHORITY command, storage privilege class for all storage pools has been revoked from the indicated administrator.
System action: None.
User response: None.

ANR2087I Restricted storage privilege revoked for administrator administrator ID - storage pool storage pool name.
Explanation: In response to a REVOKE AUTHORITY command, restricted storage privilege for the storage pool indicated has been revoked from the indicated administrator.
System action: None.
User response: None.

ANR2088I Analyst privilege revoked for administrator administrator ID.
Explanation: In response to a REVOKE AUTHORITY command, analyst privilege class has been revoked from the indicated administrator.
System action: None.
User response: None.

ANR2089I Operator privilege revoked for administrator administrator ID.
Explanation: In response to a REVOKE AUTHORITY command, operator privilege class has been revoked from the indicated administrator.
System action: None.
User response: None.

ANR2090I Activity log retention set to value for management by management style.
Explanation: The server activity log has been set to the value indicated with the SET ACTLOGRETENTION command for the indicated management style. If the management style is DATE, the value is the number of days that messages will be kept in the activity log before being deleted. If the management style is SIZE, the value is the size in megabytes that the activity log will be allowed to occupy in the server database.
System action: None.
User response: None.
ANR2091I Accounting parameter set to value.
Explanation: Accounting record generation has been turned on or off as indicated with the SET ACCOUNTING command.
System action: None.
User response: None.

ANR2092I Password expiration period set to number of days days.
Explanation: The number of days that a password can be used before it must be changed has been set to the value indicated with the SET PASSEXP command.
System action: None.
User response: None.

ANR2093I Registration parameter set to registration method.
Explanation: Backup-archive node registration has been set to the method indicated with the SET REGISTRATION command.
System action: None.
User response: None.

ANR2094I Server name set to server name.
Explanation: The name that the server displays and communicates to backup-archive nodes has been set to the value indicated with the SET SERVERNAME command.
System action: None.
User response: None.

ANR2095I Authentication parameter set to value.
Explanation: The requirement for a node or administrator to enter a password when establishing a session with the server has been turned on or off as indicated with the SET AUTHENTICATION command.
System action: None.
User response: None.

ANR2096I Server now enabled for backup/archive client access.
Explanation: The server has been made available for use by backup-archive clients with the ENABLE command.
System action: None.
User response: None.

ANR2097I Server now disabled for backup/archive client access.
Explanation: The server has been made unavailable for use by backup-archive clients with the DISABLE command.
System action: None.
User response: None.

ANR2098E Command: Invalid URL specification - url.
Explanation: The specified URL is too long.
System action: The server ignores the command.
User response: Reissue the command and enter a URL value that is 200 characters or less.

ANR2099I Administrative userid administrator name defined for OWNER access to node node name.
Explanation: An administrator with the specified name was created having OWNER access to the client node. This administrator is created for accessing the client node from an interactive interface.
System action: None.
User response: None.

ANR2100I Activity log process has started.
Explanation: The automatic server process that removes expired server activity log records has begun processing.
System action: None.
User response: None.

ANR2101I Activity log process stopped, activity log retention set to 0.
Explanation: A SET ACTLOGRETENTION command has set the retention period to zero days. As a result, activity logging stops.
System action: The activity log process stops recording console output in the server activity log.
User response: None.

ANR2102I Activity log pruning started: removing entries prior to date time.
Explanation: Server activity log records older than the date and time indicated are being removed from the activity log.
System action: None.
User response: None.
ANR2103I Activity log pruning completed: number of records records removed.

Explanation: All expired (older than the log archive retention value) server activity log records have been removed; the number of records deleted is shown.

System action: None.
User response: None.

ANR2104I Activity log processing is now restarted.

Explanation: The process that records data in the server activity log had suspended logging messages because of insufficient space in the server recovery log or database or because access to the database failed. The condition that caused the activity log processing to fail has been resolved and the activity log processing is able to resume.

System action: Activity log processing resumes.
User response: None.

ANR2105W Command: Node was registered in excess of license terms - node registration will fail after 120% of the licensed quantity of nodes have been registered.

Explanation: The server has detected the addition of a node in excess of the terms under which the server is licensed. The REGISTER NODE command will fail after 120% of the licensed number of nodes have been registered.

System action: Server operation continues.
User response: Use the QUERY LICENSE command to determine the license terms that are no longer in compliance. You may remove nodes to reduce the number of registered nodes or purchase additional client node connections. If additional nodes have been purchased, issue the AUDIT LICENSES command to resynchronize the server configuration with license terms.

ANR2106I Server HALT command: Quiescing database update activity.

Explanation: The server is quiescing transactions that update the database so that the database is in a consistent state when the server is halted. This action occurs when HALT QUIESCE is specified to halt the server with the database in a consistent state.

System action: When database update transaction activity has been stopped, the server program ends.
User response: None.

ANR2107I Server HALT command: Database update activity is now quiesced.

Explanation: The server has stopped all database update transaction activity. This action occurs when HALT QUIESCE is specified to halt the server with the database in a consistent state.

System action: The server program ends.
User response: None.

ANR2108I Server HALT command: Reattempting to quiesce database update activity.

Explanation: The server is quiescing transactions that update the database so that the database is in a consistent state when the server is halted. The previous attempt at quiescing database activity failed because of the current transaction load on the server. The quiesce operation is being reattempted. This action occurs when HALT QUIESCE is specified to halt the server with the database in a consistent state.

System action: When database update transaction activity has been stopped, the server program ends.
User response: None.

ANR2109I Server HALT command: Database update transaction activity could not be successfully quiesced.

Explanation: After repeated attempts, server database update transaction activity could not be quiesced. The server is not halted with the HALT QUIESCE command. Attempts to quiesce database update transaction activity can fail if heavy transaction load is on the server when a HALT QUIESCE command is entered.

System action: Server operation continues.
User response: You may disable the server, cancel all client sessions accessing the server, cancel all processes, and reenter the HALT QUIESCE command to stop server processing. The HALT command may also be used to stop server processing without quiescing database transaction update activity. Server recovery logic will be used when the server is restarted to reconcile database transaction activity.

ANR2110I Command started as process process ID.

Explanation: A background process has been started to service the command command. The background process is defined as process process ID.

System action: The server processes the indicated command.
User response: To query the progress of the background process, use the QUERY PROCESS command. To cancel the background process, use the...
CANCEL PROCESS command. Use the process ID number to specify this process.

**ANR2111W**  
*Command*: There is no data to process for storage pool.

**Explanation**: The indicated command does not have any data to process. This can occur if the command specifies a storage pool with no volumes, or with no volumes that contain data. This can also occur if there are no volumes in the storage pool with an access state of READWRITE or READONLY.

**System action**: The command ends without starting a background process.

**User response**: Issue the QUERY VOLUME F=D command to verify that there is at least one volume in the storage pool that contains data, and that the storage pool volumes have an access state of READWRITE or READONLY.

**ANR2112E**  
*Command*: Volume *volume name* is not in a primary storage pool.

**Explanation**: The command indicated specifies the name of a volume that does not belong to a primary storage pool. The command syntax requires that a volume in a primary storage pool be specified.

**System action**: The server does not process the command.

**User response**: Reissue the command with a volume in a primary pool.

**ANR2113E**  
*Command*: Volume *volume name* does not belong to the same storage pool (*storage pool name*) as previously listed volumes.

**Explanation**: The indicated command accepts a list of one or more volumes which belong to the same storage pool. The named volume does not belong to the same storage pool as the previously listed volumes.

**System action**: The server does not process the command.

**User response**: Issue the command with a list of volumes that belong to the same storage pool.

**ANR2114E**  
*Command*: Access mode for volume *volume name* updated to "destroyed".

**Explanation**: A RESTORE VOLUME command has updated the access mode of the indicated volume to destroyed.

**System action**: Restore processing continues.

**User response**: None.

**ANR2115E**  
*Command*: Access mode for volume *volume name* cannot be changed to "destroyed" - volume is still online.

**Explanation**: A RESTORE VOLUME command cannot change the access mode of the indicated volume to destroyed because the volume is still online.

**System action**: The server does not process the command.

**User response**: Issue the VARY OFFLINE command, and reissue the RESTORE VOLUME command.

**ANR2116E**  
*Command*: Access mode for volume *volume name* cannot be changed to "destroyed" - volume does not belong to a primary storage pool.

**Explanation**: The access mode for the indicated volume cannot be changed to destroyed because the volume does not belong to a primary storage pool.

**System action**: The access mode for this volume is not changed.

**User response**: None.

**ANR2117E**  
*Command*: Access mode for volume *volume name* cannot be changed to "offsite" - volume either does not belong to a copy storage pool or from a device class of DEVTYPE=SERVER.

**Explanation**: The access mode for the indicated volume cannot be changed to offsite because the volume either does not belong to a copy storage pool or is of a device class with a DEVTYPE of SERVER.

**System action**: The access mode for this volume is not changed.

**User response**: None.

**ANR2118E**  
*Storage pool* *storage pool name* specified on the MOVE DATA command is not a valid poolname and or pooltype for volume *volume name*.

**Explanation**: If the volume belongs to a primary storage pool, then the storage pool specified must also be a primary storage pool. If the volume belongs to a copy storage pool, then the specified storage pool must be the same storage pool as that of the volume.

**System action**: The MOVE DATA process fails.

**User response**: Provide a valid primary storage pool name if the volume belongs to a primary storage pool. If the volume belongs to a copy storage pool, remove the storage pool name from the command.
### ANR2119I

**Option** option has been changed in the options file.

**Explanation:** The option is updated in the server options file.

**System action:** Server continues.

**User response:** None.

### ANR2120E

**Command:** Invalid platform name - platform name.

**Explanation:** The command shown specifies an invalid platform name.

**System action:** The server does not process the command.

**User response:** Reissue the command with a valid platform name.

### ANR2121W

**ATTENTION:** More than amount changed unit megabytes, gigabytes or terabytes of the database has changed and the last database backup was more than hours name hours ago. Use the BACKUP DB command to provide for database recovery.

**Explanation:** The server issues this warning when a significant amount of database change activity has occurred and the server database has not been backed up.

**System action:** Server operation continues.

**User response:** To provide for server database recovery should a hardware or software problem affect your database, use the BACKUP DB command to back up the database.

### ANR2122E

**command name:** The DOMAINS parameter cannot be specified when the NODES parameter is specified.

**Explanation:** Both the NODES and DOMAINS parameters were specified. The NODES parameter may be specified, or the DOMAINS parameter may be specified, but both should not be specified at the same time.

**System action:** The command fails.

**User response:** Reenter the command specifying either the NODES parameter or the DOMAINS parameter, but not both.

### ANR2123E

**command name:** The NODES parameter cannot be specified when the DOMAINS parameter is specified.

**Explanation:** Both the NODES and DOMAINS parameters were specified. The NODES parameter may be specified, or the DOMAINS parameter may be specified, but both should not be specified at the same time.

**System action:** The command fails.

**User response:** Reenter the command specifying either the NODES parameter or the DOMAINS parameter, but not both.

### ANR2124E

**command name:** Invalid Client authority specified: authority.

**Explanation:** An invalid client authority was specified in a GRANT AUTHORITY or REVOKE AUTHORITY command when the CLASS=NODE parameter was specified.

**System action:** The command fails.

**User response:** Reenter the command specifying a valid client authority.

### ANR2125I

**command name:** Administrator administrator name was granted OWNER authority for client client name.

**Explanation:** The named administrator was granted OWNER authority over the named client node as the result of a GRANT AUTHORITY command.

**System action:** Processing continues.

**User response:** None.

### ANR2126I

**command name:** Administrator administrator name was granted ACCESS authority for client client name.

**Explanation:** The named administrator was granted ACCESS authority over the named client node as the result of a GRANT AUTHORITY command.

**System action:** Processing continues.

**User response:** None.

### ANR2127I

**command name:** Owner authority for node client node was revoked for administrator administrator.

**Explanation:** OWNER authority over the named client node was revoked from the named administrator as a result of a REVOKE AUTHORITY command.

**System action:** Processing continues.

**User response:** None.

### ANR2128I

**command name:** Access authority for node client node was revoked for administrator administrator.

**Explanation:** ACCESS authority over the named client node was revoked from the named administrator as a result of a REVOKE AUTHORITY command.

**System action:** Processing continues.

**User response:** None.
result of a REVOKE AUTHORITY command.

System action: Processing continues.
User response: None.

ANR2129I Administrative userid administrator name defined ONLY for authority over node node name has been removed.

Explanation: The specified administrator has been removed because the client node was removed and the administrator only had OWNER access to the specified node.

System action: None.
User response: None.

ANR2130S Early Product Version has Expired.
Server is HALTing.

Explanation: This server is pre-release version of the server. The pre-release version's expiration date has been reached.

System action: The server halts.
User response: Install the product version of the server.

ANR2131I Server password set.

Explanation: The password that the server uses to allow other servers to communicate with it has been set, changed or removed with the SET SERVERPASSWORD command.

System action: None.
User response: None.

ANR2132I Server hladdress set to hladdress.

Explanation: The high level address that other servers use to communicate with this server has been set to the value indicated with the SET SERVERHLADDRESS command.

System action: None.
User response: None.

ANR2133I Server lladdress set to lladdress.

Explanation: The low level address that other servers use to communicate with this server has been set to the value indicated with the SET SERVERLLADDRESS command.

System action: None.
User response: None.

ANR2134I Server url set to url.

Explanation: The url that other servers use to communicate with this server has been set to the value indicated with the SET SERVERURL command.

System action: None.
User response: None.

ANR2135I Crossdefine set to state.

Explanation: The ability for another server to automatically define itself to this server has been turned on or off as indicated with the SET CROSSDEFINE command.

System action: None.
User response: None.

ANR2136I Administrator administrator name already has POLICY access for domain policy domain name.

Explanation: The named administrator already has POLICY authority over the named policy domain. An attempt to grant client authority over this domain is ignored.

System action: The policy domain is skipped.
User response: None.

ANR2137I Administrator administrator name already has POLICY access for domain policy domain name to which node node name belongs.

Explanation: The named administrator already has POLICY authority over the named policy domain. An attempt to grant client authority for a client in this domain is ignored.

System action: The client is skipped.
User response: None.

ANR2138I Minimum password length set to length.

Explanation: The minimum length of a password a node or administrator may send to the server is indicated with the SET MINPWLENGTH command.

System action: None.
User response: None.

ANR2139E Command: The value supplied for the minimum password length is not valid - length.

Explanation: A SET MINPWLENGTH command has been entered that specifies a value for the length is not valid. Valid values are from 0 to 64, inclusive.
System action: The server does not process the command.
User response: Reissue the command with a valid value.

ANR2140E  Command: Invalid activity log retention period - retention value.
Explanation: A SET ACTLOGRETENTION command has been entered that specifies an invalid log retention period.
System action: The server does not process the command.
User response: Reissue the command with a valid retention period.

ANR2141E  Command: Invalid password expiration period - days value.
Explanation: A SET PASSEXP command has been entered that specifies an invalid days value.
System action: The server does not process the command.
User response: Reissue the command with a password expiration period.

ANR2142E  Command: Invalid server name - server name.
Explanation: A SET SERVERNAME command has been entered that specifies an invalid server name.
System action: The server does not process the command.
User response: Reissue the command with a valid server name.

ANR2143E  Command: Invalid node name - node name.
Explanation: The command shown specifies an invalid node name.
System action: The server does not process the command.
User response: Reissue the command with a valid node name.

ANR2144E  Command: Invalid password - password.
Explanation: The command specifies an invalid node or administrator password.
System action: The server does not process the command.
User response: Ensure that the password adheres to naming convention rules and meets the minimum password length requirement as set by your administrator. Ensure that the new password is different from the old password. If you are authenticating to an LDAP directory server ensure that the new password meets all other password policy rules specified by the LDAP directory server. Reissue the command with a valid password.

ANR2145E  Command: Contact information exceeds maximum characters characters.
Explanation: A REGISTER NODE or REGISTER ADMIN command has been entered that specifies a contact information value that is too long. The maximum valid length is shown in the command.
System action: The server does not process the command.
User response: Reissue the command with less contact information.

ANR2146E  Command: Node node name is not registered.
Explanation: The command shown specifies a node that is not registered with the server.
System action: The server does not process the command.
User response: None.

ANR2147E  Command: Node node name is already registered.
Explanation: A REGISTER NODE command has been entered that specifies a node name already registered with the server.
System action: The server does not process the command.
User response: To register the node, reissue the command and specify a different node name.

ANR2148E  Command: Administrator administrator ID is not registered.
Explanation: The command shown specifies an administrator ID that is not registered with the server.
System action: The server does not process the command.
User response: None.

ANR2149E  Command: Administrator administrator ID is already registered.
Explanation: A REGISTER ADMIN command has been entered that specifies an administrator ID already registered with the server.
System action: The server does not process the command.
ANR2150E  Command: Node node name is currently accessing the server.

Explanation: The command shown specifies a node that has an active session with the server.

System action: The server does not process the command.

User response: Reissue the command at a later time, or if necessary, cancel the current session and reissue the command.

ANR2151E  Command: Administrator administrator ID is currently accessing the server.

Explanation: An UPDATE ADMIN or REMOVE ADMIN command has been entered that specifies an administrator ID that is having an active session with the server.

System action: The server does not process the command.

User response: Reissue the command at a later time, or if necessary, cancel the current session and reissue the command.

ANR2152E  Command: Inventory references still exist for node node name.

Explanation: A REMOVE NODE command has been entered for a node for which the server is still storing backup or archive data, or both.

System action: The server does not process the command.

User response: To remove the node, delete all of its file spaces and any virtual file space mapping definitions from the server and reissue the command.

ANR2153E  Command: Invalid file space name - filesystem name.

Explanation: The specified server command has been entered with a file space name that is longer than allowed. Note that the maximum length of a unicode file space name is eight characters less than the maximum length of a non-unicode file space name.

System action: The server does not process the command.

User response: Reissue the command with a valid file space name.

ANR2154E  Command: Invalid administrator name - administrator ID.

Explanation: The command shown specifies an invalid administrator ID.

System action: The server does not process the command.

User response: Reissue the command with a valid administrator ID.

ANR2155E  Command: Invalid privilege class - privilege class.

Explanation: A command specifies an invalid administrative privilege class.

System action: The server does not process the command.

User response: Reissue the command with a valid privilege class.

ANR2156E  Command: Administrator administrator ID has already been granted system privilege.

Explanation: A GRANT AUTHORITY command has been issued to grant system authority to an administrator ID that already has system authority.

System action: The server does not process the command.

User response: None.

ANR2157E  Command: Other privileges cannot be granted with system privilege.

Explanation: A GRANT AUTHORITY command has been issued to grant system authority to an administrator ID, and at the same time to grant other privileges.

System action: The server does not process the command.

User response: Reissue the GRANT AUTHORITY command specifying only system privilege class.

ANR2158E  Command: Policy domains cannot be specified for unrestricted policy administrator administrator ID.

Explanation: A REVOKE AUTHORITY command has been issued to revoke an administrator’s policy authority over a specific policy domain, but the administrator has unrestricted policy authority.

System action: The server does not process the command.

User response: None.
ANR2159E  Command: Storage pools cannot be specified for unrestricted storage administrator administrator ID.

Explanation: A REVOKE AUTHORITY command has been issued to revoke an administrator’s storage authority over a specific storage pool, but the administrator has unrestricted storage authority.

System action: The server does not process the command.

User response: None.

ANR2160E  Command: No new privileges granted to administrator administrator ID.

Explanation: A GRANT AUTHORITY command has been issued to grant authority to an administrator ID, but the administrator already has all privileges specified.

System action: The server does not process the command.

User response: None.

ANR2161E  Command: Only system privilege can be revoked for administrator administrator ID.

Explanation: A REVOKE AUTHORITY command has been issued to revoke one or more of an administrator’s privileges, but the administrator has system authority.

System action: The server does not process the command.

User response: None.

ANR2162E  Command: No privileges revoked for administrator administrator ID.

Explanation: A REVOKE AUTHORITY command has been issued to revoke authority from an administrator ID, but the administrator does not have any of the privileges specified.

System action: The server does not process the command.

User response: None.

ANR2163E  Command: Command is invalid for administrator administrator ID.

Explanation: The command specified cannot be issued for the server console. For instance, the server console administrator ID cannot be removed.

System action: The server does not process the command.

User response: None.

ANR2164E  Command: Command rejected - administrator ID is the only system administrator.

Explanation: A REMOVE ADMIN or REVOKE AUTHORITY command has been issued to remove or revoke the authority of the last administrator who had system authority.

System action: The server does not process the command.

User response: To remove or revoke this ID, grant system authority to another administrator ID before reissuing the command.

ANR2165E  Command: Invalid begin date - date.

Explanation: A QUERY ACTLOG command has been entered that specifies an invalid begin date as a search criteria.

System action: The server does not process the command.

User response: Reissue the command with a valid begin date.

ANR2166E  Command: Invalid begin time - time.

Explanation: A QUERY ACTLOG command has been entered that specifies an invalid begin time as a search criteria.

System action: The server does not process the command.

User response: Reissue the command with a valid begin time.

ANR2167E  Command: Invalid end date - date.

Explanation: A QUERY ACTLOG command has been entered that specifies an invalid end date as a search criteria.

System action: The server does not process the command.

User response: Reissue the command with a valid end date.

ANR2168E  Command: Invalid end time - time.

Explanation: A QUERY ACTLOG command has been entered that specifies an invalid end time as a search criteria.

System action: The server does not process the command.

User response: Reissue the command with a valid end time.
ANR2169E  Command: Invalid message number - message number.

Explanation: A QUERY ACTLOG command has been entered that specifies an invalid message number as a search criteria.

System action: The server does not process the command.

User response: Reissue the command with a valid message number.

ANR2170E  Command: Invalid message search string argument - search string.

Explanation: A QUERY ACTLOG command has been entered that specifies an invalid search string as a search criteria.

System action: The server does not process the command.

User response: Reissue the command with a valid search string.

ANR2171E  Command: Invalid time range - Begin: date time End: date time.

Explanation: A QUERY ACTLOG command has been entered that specifies an invalid beginning and ending date/time range. This error can occur when the beginning date/time is not before the ending date/time.

System action: The server does not process the command.

User response: Reissue the command with a valid date/time range.

ANR2172E  Command: No matching administrators.

Explanation: The command shown specified an administrator ID that does not match any administrator registered with the server.

System action: The command is not executed.

User response: If desired, reissue the command with a different administrator ID.

ANR2173E  Command: Location information exceeds maximum characters characters.

Explanation: A DEFINE or UPDATE VOLUME command has been entered that specifies a location information value that is too long. The maximum valid length is shown in the command.

System action: The server does not process the command.

User response: Reissue the command with less location information.

ANR2174E  Administrator administrator ID is not registered. Schedule schedule name is not processed and is marked as failed.

Explanation: The command shown specifies an administrator ID that is not registered with the server. The schedule and related command are not processed.

System action: The server does not process the command.

User response: Update the command schedule with a valid administrator ID which has the proper authority to execute the scheduled command.

ANR2175I  node/admin name has count invalid sign-on attempts. The limit is limit.

Explanation: The server detected an invalid password for the specified node during sign-on processing. The node currently has sent count consecutive invalid passwords. The maximum allowed is limit. The server will lock the node when limit is reached.

System action: The node or administrator session will be refused.

User response: Before the client node is permitted to access the server, a properly authorized administrator must unlock the node or administrator with the UNLOCK NODE or UNLOCK ADMIN command.
ANR2178E  node/admin name has been locked. Invalid sign-on attempt limit (limit) reached.

Explanation: The specified node has been locked by the server. The limit for consecutive invalid passwords has been reached.

System action: The node or administrator session will be refused.

User response: Before the client node is permitted to access the server, a properly authorized administrator must unlock the node or administrator with the UNLOCK NODE or UNLOCK ADMIN command.

ANR2179E  Administrator administrator should have been locked, but was not.

Explanation: The indicated administrator reached the limit for consecutive invalid passwords and should have been locked. If it were locked, there would be no means to execute commands requiring system authority.

System action: The administrator session will be refused.

User response: Sign-on again using the correct password.

ANR2180W  Unable to update last access date for administrator administrator ID - insufficient recovery log space.

Explanation: While establishing an administrative session for the indicated ID, the server is unable to update the administrator's date of last access due to insufficient recovery log space.

System action: The server establishes the administrative session, but the last access date is not updated.

User response: An authorized administrator can issue the DEFINE LOGVOLUME command to add volumes for use by the log, and can issue the EXTEND LOG command to extend the size of the log so that the new volumes are used.

ANR2181W  Unable to update last access date for administrator administrator ID - insufficient database space.

Explanation: While establishing an administrative session for the indicated ID, the server cannot update the administrator's date of last access due to insufficient database space.

System action: The server establishes the administrative session, but the last access date is not updated.

User response: An authorized administrator can issue the DEFINE DBVOLUME command to add volumes for use by the database, and can issue the EXTEND DB command to extend the size of the database so that the new volumes are used.

ANR2182W  Unable to update last access date for administrator administrator ID - internal server error.

Explanation: While establishing an administrative session for the indicated ID, the server cannot update the administrator's date of last access due to a server internal error.

System action: The server establishes the administrative session, but the last access date is not updated.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR2183W  Diagnostic(ID): Transaction transaction ID was aborted.

Explanation: An error was detected during transaction commit that caused this transaction to be aborted. This message may have been preceded by other messages that give additional information about the failed transaction.

System action: The activity that generated this error fails.

User response: Check for additional messages and eliminate the condition that caused the failed transaction. If this was encountered while the server was halting then this can be ignored. During server HALT processing, existing in-flight transactions may be aborted as a normal part of server shutdown processing. If the error cannot be isolated and resolved, contact your service representative.

ANR2184W  Diagnostic(ID): Transaction transaction ID was aborted for command command.

Explanation: An error was detected during transaction commit for the specified server command. This message should be preceded by other messages that give additional information about the failed transaction.

System action: The activity that generated this error fails.

User response: Check for additional messages and eliminate the condition that caused the failed transaction. If the error cannot be isolated and resolved, contact your service representative.
ANR2185W Transaction was aborted for command command.

Explanation: An error was detected during transaction commit. This message should be preceded by other messages that give additional information about the failed transaction.

System action: The activity that generated this error fails.

User response: Check for additional messages and eliminate the condition that caused the failed transaction. If the error cannot be isolated and resolved, contact your service representative.

ANR2185W Transaction was aborted for session session number for node node name (client platform).

Explanation: An error was detected during transaction commit. This message should be preceded by other messages that give additional information about the failed transaction.

System action: The activity that generated this error fails.

User response: Check for additional messages and eliminate the condition that caused the failed transaction. If the error cannot be isolated and resolved, contact your service representative.

ANR2187W Transaction was aborted for node/admin name.

Explanation: An error is detected during a transaction commit for the specified node or administrator name. This message should be preceded by other messages that give additional information about the failed transaction.

System action: The activity that generated this error fails.

User response: Check for additional messages and eliminate the condition that caused the failed transaction. If the error cannot be isolated and resolved, contact your service representative.

ANR2188W A Transaction was aborted. The activity is terminating.

Explanation: An error is detected during a transaction commit. This message should be preceded by other messages that give additional information about the failed transaction.

System action: The activity that generated this error ends.

User response: Check for additional messages and eliminate the condition that caused the failed transaction. If the error cannot be isolated and resolved, contact your service representative.

ANR2189W Diagnostic(ID): Transaction transaction ID was aborted for node/admin name.

Explanation: An error is detected during a transaction commit for the specified node or administrator name. This message should be preceded by other messages that give additional information about the failed transaction.

System action: The activity that generated this error fails.

User response: Check for additional messages and eliminate the condition that caused the failed transaction. If the error cannot be isolated and resolved, contact your service representative.

ANR2190E command: Device class DISK cannot be specified for this command.

Explanation: The DEVCLASS value DISK cannot be specified for the command.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid device class. Issue the QUERY DEVCLASS command for a list of valid device classes for the server.

ANR2191E command: Volume list contains defined and undefined volumes.

Explanation: The list of volumes specified on the SALVAGE VOLUME command must all be defined to the server, or all not defined to the server.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid list of volumes.

ANR2192E Command: Unable to start background process.

Explanation: The server command processor is not able to start a background process to perform the command command.

System action: The command process ends and server operation continues.

User response: See the documentation for the operating system about how to increase memory for an application.
ANR2193E  
	Command: Invalid option set name -
		option set name.

Explanation:   The command shown specifies an invalid option set name.

System action:   The server does not process the command.

User response:   Reissue the command with a valid option set name.

ANR2194E  
	Command: Invalid option set description - too long.

Explanation:   The command shown specifies an invalid description. The description is too long.

System action:   The server does not process the command.

User response:   Reissue the command with a valid description.

ANR2195E  
	Command: Invalid option sequence number - option sequence number name.

Explanation:   The command shown specifies an invalid option sequence number.

System action:   The server does not process the command.

User response:   Reissue the command with a valid option sequence number.

ANR2196E  
	Command: Option name and/or Option value is missing for define.

Explanation:   The specified DEFINE command has been entered, but no attributes have been specified for the definition.

System action:   The server does not process the command.

User response:   Reissue the DEFINE command with one or more attributes to be defined.

ANR2197E  
	Command: The value supplied for the WEB authentication time-out is not valid - time-out value.

Explanation:   A SET WEBAUTHTIMEOUT command has been entered that specifies a value that is not valid. Valid values are from 0 to 9999, inclusive.

System action:   The server does not process the command.

User response:   Reissue the command with a valid value.

ANR2198I  
	Command: Web authentication time-out set to time-out value minutes.

Explanation:   The time-out value that determines how often WEB browser administrative users need to re-authenticate with the server has been set with the SET WEBAUTHTIMEOUT command to the value displayed.

System action:   None.

User response:   None.

ANR2199I  
	Password expiration period for node node name set to number of days days.

Explanation:   The number of days that the node’s password can be used before it must be changed has been set to the value indicated with the SET PASSEXP command.

System action:   None.

User response:   None.

ANR2200I  
	Storage pool storage pool name defined (device class device class name).

Explanation:   A DEFINE STGPOOL command has created the storage pool indicated of the device class shown.

System action:   None.

User response:   None.

ANR2201I  
	Storage pool storage pool name deleted.

Explanation:   A DELETE STGPOOL command has deleted the storage pool indicated.

System action:   None.

User response:   None.

ANR2202I  
	Storage pool storage pool name updated.

Explanation:   An UPDATE STGPOOL command has updated the storage pool indicated.

System action:   None.

User response:   None.

ANR2203I  
	Device class device class name defined.

Explanation:   A DEFINE DEVCLASS command has created the device class indicated.

System action:   None.

User response:   None.
ANR2204I  Device class device class name deleted.
Explanation: A DELETE DEVCLASS command has deleted the device class indicated.
System action: None.
User response: None.

ANR2205I  Device class device class name updated.
Explanation: An UPDATE DEVCLASS command has updated the device class indicated.
System action: None.
User response: None.

ANR2206I  Volume volume name defined in storage pool storage pool name (device class device class name).
Explanation: A DEFINE VOLUME command has defined the volume indicated in the storage pool shown that belongs to the device class shown.
System action: None.
User response: None.

ANR2207I  Volume volume name updated.
Explanation: An UPDATE VOLUME command has updated the volume indicated.
System action: None.
User response: None.

ANR2208I  Volume volume name deleted from storage pool storage pool name.
Explanation: The volume indicated has been deleted by one of the following:
  • A DELETE VOLUME command was issued.
  • The volume was empty and the volume's access mode was updated to destroyed.
  • The volume was empty, scratch, and offsite, and the access mode was changed to readwrite, readonly, or unavailable.
  • The volume was scratch, not offsite, and was emptied by DELETE FILESPACE, RECLAMATION, or RESTORE VOLUME/STGPOOL.
  • The volume was an empty scratch WORM FILE volume and deleted by RECLAMATION since the retention of the volume has expired.
System action: None.
User response: None.

ANR2209W  Volume volume name contains no data.
Explanation: The AUDIT VOLUME or MOVE DATA command entered specifies a volume that contains no data.
System action: The server does not process the command.
User response: None.

ANR2210I  Vary online initiated for disk volume volume name.
Explanation: A VARY ONLINE command for the volume shown is being processed, and if no errors occur the volume will be varied online.
System action: None.
User response: None.

ANR2211I  Vary offline initiated for disk volume volume name.
Explanation: A VARY OFFLINE command for the volume shown is being processed and, if no errors occur, the volume will be varied offline.
System action: None.
User response: None.

ANR2212I  Command: No volumes updated.
Explanation: An UPDATE VOLUME command has been entered, but no objects were updated.
System action: None.
User response: None.

ANR2213I  Command: Storage pool storage pool name renamed to storage pool name.
Explanation: A RENAME STGPOOL command has been entered. The rename of the storage pool was successful.
System action: None.
User response: None.

ANR2214E  Command: Invalid backup set name - backup set name.
Explanation: The command shown specifies an invalid backup set name.
System action: The command fails.
User response: Reissue the command with a valid backup set name.
ANR2215E  Command: Description text is too long.
Explanation: The specified description text is too long for a command that allows description text to be specified.
System action: The command fails
User response: Reissue the command specifying a shorter description

ANR2216E  Command: Device class must be a sequential device class.
Explanation: The device class specified on the command is not a sequential device class.
System action: The command fails
User response: Reissue the command specifying the name of a sequential device class

ANR2217E  Command: Invalid backup set retention period - retention value.
Explanation: Server processing for the backup set command command fails because the value (retention value) specified for the RETENTION parameter is not valid.
System action: The command fails
User response: Reissue the command specifying a valid RETENTION value.

ANR2218E  Command: A device class must be specified.
Explanation: The DEVCLASS parameter is not specified in the command command name. A DEVCLASS value must be specified.
System action: The command fails.
User response: Reissue the command specifying a valid device class. Issue the QUERY DEVCLASS command for a list of valid device classes for the server.

ANR2219I  Discard Data process ended for volume volume name - volume is not deleted from storage pool storage pool name because the volume access is offsite.
Explanation: The process that deleted data for the volume shown has ended, but the volume has not been deleted because the volume access is marked as offsite.
System action: None.
User response: To delete the volume, change the volume access to readwrite, readonly, or unavailable.

ANR2220W  This command will delete volume volume name from its storage pool after verifying that the volume contains no data.
Explanation: A DELETE VOLUME command with the Discarddata=No option has been entered.
System action: The system asks whether you wish to continue with the command.
User response: To process the DELETE VOLUME command, enter 'Y' to continue or 'N' to stop the process.

ANR2221W  This command will result in the deletion of all inventory references to the data on volume volume name, thereby rendering the data unrecoverable. If the volume being deleted contains deduplicated data, the server invalidates all files that reside in the storage pool that are dependent upon the data stored on this volume. Files on other volumes might be marked as damaged and result in warning messages when that data is accessed.
Explanation: A DELETE VOLUME command with the Discarddata=Yes option has been entered.
System action: The system asks whether you wish to continue with the command.
User response: To process the DELETE VOLUME command, enter 'Y' to continue or 'N' to stop the process.

ANR2222I  Discard Data process started for volume volume name (process ID process ID).
Explanation: As a result of a DELETE VOLUME command with the Discarddata=Yes option, the process whose ID is displayed has begun to delete the data on the volume shown.
System action: The server deletes the data on the volume.
User response: None.

ANR2223I  Discard Data process ended for volume volume name - volume deleted from storage pool storage pool name.
Explanation: The process that deleted data for the volume shown has ended, and the volume has been deleted.
System action: None.
User response: None.
ANR2224W  Discard Data process terminated for
volume volume name - process canceled.

Explanation: The process that was deleting data for
the volume shown, in preparation for deleting the
volume, has been canceled.

System action: The server does not delete the volume.

User response: None.

ANR2225W  Discard Data process terminated for
volume volume name - volume still
contains data.

Explanation: The process that was deleting data for
the volume shown, in preparation for deleting the
volume, has ended. However, the volume contains
data.

System action: The server does not delete the volume.

User response: None.

ANR2226W  Discard data process terminated for
volume volume name - sufficient recovery
log space is not available.

Explanation: The process that was deleting data for
the volume shown, in preparation for deleting the
volume, has ended due to a shortage of recovery log
space.

System action: The server does not delete the volume.

User response: An authorized administrator can issue
the DEFINE LOGVOLUME command to add volumes
for use by the log, and can issue the EXTEND LOG
command to extend the size of the log so that the new
volumes are used.

ANR2227W  Discard data process terminated for
volume volume name - sufficient memory
is not available.

Explanation: The process that was deleting data for
the volume shown, in preparation for deleting the
volume, has ended due to a shortage of memory.

System action: The server does not delete the volume.

User response: See the documentation for the
operating system about how to increase memory for an
application.

ANR2228W  Discard data process terminated for
volume volume name - lock conflict
detected.

Explanation: The process that was deleting data for
the volume shown, in preparation for deleting the
volume, has ended due to a locking conflict.

System action: The server does not delete the volume.

ANR2229W  Discard data process terminated for
volume volume name - internal server
error detected.

Explanation: The process that was deleting data for
the volume shown, in preparation for deleting the
volume, has ended due to a server internal error.

System action: The server does not delete the volume.

User response: Examine the server messages that were
issued prior to this message to determine the source of
the error. Issue the QUERY ACTLOG command to view
the activity log and search for messages that indicate
the source of the error.

ANR2232W  This command will move all of the data
stored on volume volume name to other
volumes within the same storage pool;
the data will be inaccessible to users
until the operation completes.

Explanation: A move data has been entered that will
move data from the indicated volume to other volumes
in the same storage pool. While the data is being
moved, it will not be available to users.

System action: The administrator is asked whether to
continue.

User response: Enter 'Y' to continue with the
command or 'N' to end the process.

ANR2233W  This command will move all of the data
stored on volume volume name to other
volumes in storage pool storage pool
name; the data will be inaccessible to
users until the operation completes.

Explanation: A move data has been entered that will
move data from the indicated volume to volumes in
the storage pool shown. While the data is being
moved, it will not be available to users.

System action: The administrator is asked whether to
continue.

User response: Enter 'Y' to continue with the
command or 'N' to end the process.

ANR2234W  This command will halt the server; if
the command is issued from a remote
client, it may not be possible to restart
the server from the remote location.

Explanation: A HALT command has been entered.

System action: The administrator is asked whether to
continue.
User response: Enter 'Y' to halt the server or 'N' to leave the server activated.

ANR2235W This command will remove administrator adminName. This administrator has defined or updated schedules. Removing this authority WILL cause these schedules to fail.

Explanation: A REMOVE ADMINISTRATOR command has been entered for an administrator that owns administrative schedules. If you confirm that you want to proceed with this command, the schedules owned by this administrator will fail when executed in the future.

System action: The system asks whether you wish to continue with the command.

User response: To process the REMOVE ADMINISTRATOR command, enter 'Y' to continue or 'N' to stop the process. To deal with schedules owned by the administrator, use the QUERY SCHEDULE command OR an SQL SELECT statement on the ADMIN_SCHEDULES table to determine which schedules were last updated by the administrator. Use the UPDATE SCHEDULE command to update those schedules under an administrator that has authority to execute them, or use the DELETE SCHEDULE command to remove the schedules.

ANR2236W This command has removed administrator adminName. This administrator has defined or updated schedules. This WILL cause these schedules to fail in the future.

Explanation: A REMOVE ADMINISTRATOR command has been entered and the administrator removed owns administrative schedules. The schedules will fail when executed in the future because they do not belong to a valid administrator.

System action: The system removes the administrator.

User response: Use the QUERY SCHEDULE command OR an SQL SELECT statement on the ADMIN_SCHEDULES table to determine which schedules were last updated by the administrator. Use the UPDATE SCHEDULE command to update those schedules under an administrator that has authority to execute them, or use the DELETE SCHEDULE command to remove the schedules.

ANR2237W This command has revoked privileges for administrator adminName. This administrator has defined or updated schedules. This may cause these schedules to fail in the future.

Explanation: A REVOKE AUTHORITY command has been entered.

ANR2238W This command will result in the deletion of all inventory references to the data on filespaces that match the pattern filesystem name for node node name, whereby rendering the data unrecoverable.

Explanation: A DELETE FILESPACE command has been entered.

System action: The system asks whether you wish to continue with the command.

User response: To process the DELETE FILESPACE command, enter 'Y'; otherwise, enter 'N'.

ANR2239W This command will revoke privileges for administrator adminName. This administrator has defined or updated schedules. Revoking this authority may cause schedules to fail.

Explanation: A REVOKE AUTHORITY command has been entered.

System action: The system asks whether you wish to continue with the command.

User response: To process the REVOKE AUTHORITY command, enter 'Y' to continue or 'N' to stop the process.

ANR2240I Database volume volume name defined.

Explanation: A DEFINE DBVOLUME command has defined the database volume indicated.

System action: None.

User response: None.

ANR2241I Database volume copy volume name defined.

Explanation: A DEFINE DBCOPY command has defined the database volume indicated.

System action: None.

User response: None.

ANR2242I Database volume copy volume name defined; synchronization process started (process ID process ID).

Explanation: A DEFINE DBCOPY command has added the volume shown as a database copy volume. The process whose ID is displayed will copy data to the new volume to synchronize it with existing volumes.
ANR2243I Database volume volume name deleted.
Explanation: A DELETE DBVOLUME command has deleted the database volume indicated.
System action: None.
User response: None.

ANR2244I Delete process initiated for database volume volume name (process ID process ID).
Explanation: In response to a DELETE DBVOLUME command, the process with the process ID shown has been started to delete the volume.
System action: None.
User response: None.

ANR2245I Database volume volume name varied online.
Explanation: A VARY ONLINE command has put the database volume indicated into an online state.
System action: None.
User response: None.

ANR2246I Vary online process initiated for database volume volume name (process ID process ID).
Explanation: In response to a VARY ONLINE command, the process with the process ID shown has been started to vary on the database volume indicated.
System action: None.
User response: None.

ANR2247I Database volume volume name varied offline.
Explanation: A VARY OFFLINE command has put the indicated database volume into an offline state.
System action: None.
User response: None.

ANR2248I Database assigned capacity has been extended.
Explanation: An EXTEND DB command has increased the storage capacity of the database.
System action: None.
User response: None.

ANR2249I Database extension process initiated (process ID process ID).
Explanation: In response to an EXTEND DB command, the process with the process ID shown has been started to extend the database.
System action: None.
User response: None.

ANR2250I Database assigned capacity has been reduced.
Explanation: A REDUCE DB command has decreased the storage capacity of the database.
System action: None.
User response: None.

ANR2251I Database reduction process initiated (process ID process ID).
Explanation: In response to a REDUCE DB command, the process with the process ID shown has been started to reduce the database.
System action: None.
User response: None.

ANR2252W Database volume copy volume name is larger than volume volume name by count megabyte(s).
Explanation: A DEFINE DBCOPY command has defined a database copy volume whose size is larger than the volume it mirrors by the amount shown.
System action: The excess capacity is ignored.
User response: None.

ANR2253W The database volume copy to be defined (volume name) is larger than volume volume name; use of the volume will result in count megabyte(s) of unusable space.
Explanation: A DEFINE DBCOPY command is attempting to define a database copy volume whose size is larger than the volume it mirrors by the amount shown. The excess capacity would not be used.
System action: The administrator is asked whether to continue.
User response: Enter 'Y' to define the copy, 'N' otherwise.
ANR2254E  
**Command: The VOLUMENAMES parameter must be specified when SCRATCH=NO is specified.**

**Explanation:** The SCRATCH parameter is specified as NO for the command Command but the VOLUMENAMES parameter is not specified. When scratch volumes are not allowed, the VOLUMENAMES parameter must be specified to indicate the volumes that can be used for the command.

**System action:** The command fails.

**User response:** Reissue the command and specify a valid VOLUMENAMES parameter.

---

ANR2255E  
**Command: The VOLUMENAMES parameter must be specified.**

**Explanation:** The VOLUMENAMES parameter must be specified to indicate the volumes that can be used for the command.

**System action:** The command fails.

**User response:** Reissue the command and specify a valid VOLUMENAMES parameter.

---

ANR2256E  
**Command: The RETENTION parameter must be specified.**

**Explanation:** The RETENTION parameter must be specified to indicate the retention period to be used for the command.

**System action:** The command fails.

**User response:** Reissue the command and specify a valid RETENTION parameter.

---

ANR2257E  
**Command: Administrator administrator name is not authorized to issue this command for node node name.**

**Explanation:** The specified administrator has entered the indicated command, but this administrator does not have the proper authority necessary to run the command for the indicated node. Note: This message can be issued as a result of the server option REQSYSAUTHOUTFILE YES being in effect.

**System action:** The server does not process the command for the indicated node. If multiple nodes were specified on the command, the server may continue processing the command for the other nodes.

**User response:** Examine previous messages for any additional information. Issue the command from a properly authorized administrator ID, or contact the system administrator to have additional authority granted to the current administrator ID.

---

ANR2258E  
**Command: Invalid summary retention period - retention value.**

**Explanation:** A SET SUMMARYRETENTION command has been entered that specifies an invalid retention period.

**System action:** The server does not process the command.

**User response:** Reissue the command with a valid retention period.

---

ANR2259I  
**Summary retention period set to number of days days.**

**Explanation:** The number of days that activity summary records are kept in the server database has been set to the value indicated with the SET SUMMARYRETENTION command.

**System action:** None.

**User response:** None.

---

ANR2260I  
**Recovery log volume volume name defined.**

**Explanation:** A DEFINE LOGVOLUME command has defined the recovery log volume indicated.

**System action:** None.

**User response:** None.

---

ANR2261I  
**Recovery log volume copy volume name defined.**

**Explanation:** A DEFINE LOGCOPY command has defined the recovery log volume indicated.

**System action:** None.

**User response:** None.

---

ANR2262I  
**Recovery log volume copy volume name defined; synchronization process started (process ID process ID).**

**Explanation:** A DEFINE LOGCOPY command has added the volume shown as a log copy volume. The process whose ID is displayed copied data to the new volume to synchronize it with existing volumes.

**System action:** None.

**User response:** None.

---

ANR2263I  
**Recovery log volume volume name deleted.**

**Explanation:** A DELETE LOGVOLUME command has removed the recovery log volume indicated.

**System action:** None.
ANR2264I  Delete process initiated for recovery log volume volume name (process ID process ID).

Explanation: In response to a DELETE LOGVOLUME command, the process with process ID shown has been started to delete the volume.

System action: None.
User response: None.

ANR2265I  Recovery log volume volume name varied online.

Explanation: A VARY ONLINE command has put the recovery log volume indicated into an online state.

System action: None.
User response: None.

ANR2266I  Vary online process initiated for recovery log volume volume name (process ID process ID).

Explanation: In response to a VARY ONLINE command, the process with process ID shown has been started to vary on the recovery log volume indicated.

System action: None.
User response: None.

ANR2267I  Recovery log assigned capacity has been extended.

Explanation: An EXTEND LOG command has increased the storage capacity of the recovery log.

System action: None.
User response: None.

ANR2268I  Recovery log extension process initiated (process ID process ID).

Explanation: In response to an EXTEND LOG command, the process with the process ID shown has been started to extend the recovery log.

System action: None.
User response: None.

ANR2269I  Data Base Space trigger defined and enabled.

Explanation: The database space trigger has been defined with a DEFINE SPACETRIGGER command. The percentage of utilization specified with the FULLPCT parameter is used to automatically expand the database.

System action: None.
User response: None.
<table>
<thead>
<tr>
<th>ANR2275I</th>
<th>Data Base Space trigger defined, but is disabled.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A database space trigger has been defined, but because the space expansion percentage is currently set to 0, the space trigger is disabled.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>To activate the space trigger, use the UPDATE SPACETRIGGER command to set the space expansion percentage to a value greater than 0.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>ANR2276I</th>
<th>Data Base Space trigger updated and enabled.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>An UPDATE SPACETRIGGER command has successfully completed for the data base space trigger. The updated parameters specified on the command are used to automatically trigger space expansion for the database.</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>

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<tr>
<th>ANR2277I</th>
<th>Database Space trigger updated, but disabled.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>An UPDATE SPACETRIGGER command has successfully completed for the data base space trigger. However, the space expansion percentage is currently set to 0, which disables the space trigger.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>To activate the space trigger, use the UPDATE SPACETRIGGER command with the SPACEexpansion parameter to set a value greater than zero.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR2278I</th>
<th>Database Space trigger deleted.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A DELETE SPACETRIGGER command has successfully completed for the database space trigger. Space expansions are no longer triggered automatically for the database.</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>ANR2279I</th>
<th>Recovery Log Space trigger defined and enabled.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The recovery log space trigger has been defined with a DEFINE SPACETRIGGER command. The percentage of utilization specified with the FULLPCT parameter is used to automatically expand the recovery log.</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>ANR2280I</th>
<th>Full database backup started as process process ID.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A background process was started to backup the contents of the database. The full database backup process was assigned the process ID shown.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The database backup process starts and server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>The administrator may query the status of the database backup process by using the QUERY PROCESS command, or cancel the process with the CANCEL PROCESS command.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR2281I</th>
<th>Incremental database backup started as process process ID.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A background process was started to backup the contents of the database. The incremental database backup process was assigned the process ID shown.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The database backup process starts and server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>The administrator may query the status of the database backup process by using the QUERY PROCESS command, or cancel the process with the CANCEL PROCESS command.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR2282I</th>
<th>Database backup trigger defined and enabled.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A database backup trigger has been defined with a DEFINE DBBACKUPTRIGGER command. The percentage of recovery log utilization specified with the LOGFULLPCT parameter is used to automatically trigger database backups.</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>ANR2283I</th>
<th>Database backup trigger defined, but is disabled.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A database backup trigger has been defined, but because the recovery log mode is currently set to NORMAL, the database backup trigger is disabled. Database backups can only be triggered when the log mode is set to ROLLFORWARD with a SET LOGMODE command.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>To activate the database backup trigger, use the SET LOGMODE ROLLFORWARD command.</td>
</tr>
</tbody>
</table>
ANR2284I  Database backup trigger updated and enabled.

Explanation: An UPDATE DBBACKUPTRIGGER command has successfully completed. The updated parameters specified on the command are used to automatically trigger database backups.

System action: None.
User response: None.

ANR2285I  Database backup trigger updated, but disabled.

Explanation: An UPDATE DBBACKUPTRIGGER command has successfully completed, but because the recovery log mode is currently set to NORMAL, the database backup trigger is disabled. Database backups can only be triggered when the log mode is set to ROLLFORWARD with a SET LOGMODE command.

System action: None.
User response: To activate the database backup trigger, use the SET LOGMODE ROLLFORWARD command.

ANR2286I  Database backup trigger deleted.

Explanation: A DELETE DBBACKUPTRIGGER command has successfully completed. Database backups are no longer triggered automatically by recovery log utilization.

System action: None.
User response: None.

ANR2287I  Snapshot database backup started as process process ID.

Explanation: A background process was started to backup the contents of the database. The snapshot database backup process was assigned the process id shown.

System action: The database backup process starts and server operation continues.
User response: The administrator may query the started process by using the QUERY PROCESS command, or may cancel the process using the CANCEL PROCESS command.

ANR2288I  Subfile set to state.

Explanation: The SET SUBFILE command has been used to specify whether this server will allow clients to back up subfiles. If a value of CLIENT is specified, clients are given the option of backing up subfiles. If a value of NO is specified, clients are not allowed to back up subfiles.

System action: None.
User response: None.

User response: None.

ANR2289I  Administrative userid administrator name defined for authority over node node name has not been removed.

Explanation: The specified administrator was not removed.

System action: None.
User response: None.

ANR2290W  Changing the log mode to NORMAL will prevent roll-forward recovery.

Explanation: The system has determined that changing the recovery log mode from ROLLFORWARD to NORMAL mode will cause the log records being kept for ROLLFORWARD and single database volume restore processing to be discarded. Without these log records, only point-in-time database restores can be performed.

System action: The administrator is asked whether to continue.
User response: Enter 'Y' to change the LOGMODE, 'N' otherwise.

ANR2291W  Changing the log mode to NORMAL will disable the database backup trigger.

Explanation: Changing the recovery log mode from ROLLFORWARD to NORMAL disables the setting specified in the DEFINE DBBACKUPTRIGGER command. Database backups can only be triggered when the recovery log mode is set to ROLLFORWARD with the SET LOGMODE command.

System action: The administrator is asked whether to continue.
User response: Enter 'Y' to change the log mode, 'N' otherwise. Responding 'Y' does not delete the DEFINE DBBACKUPTRIGGER settings.

ANR2292W  Changing the log mode to ROLLFORWARD will enable the database backup trigger.

Explanation: Changing the recovery log mode from NORMAL to ROLLFORWARD causes a previously issued DEFINE DBBACKUPTRIGGER command to become effective, and immediately start a full database backup. Database backups can only be triggered when the recovery log mode is set to ROLLFORWARD with a SET LOGMODE command.

System action: The administrator is asked whether to continue.
User response: Enter 'Y' to change the log mode, 'N' otherwise.
ANR2293I  Only point-in-time database recovery is now possible.

Explanation: An administrator has changed the recovery log mode from ROLLFORWARD to NORMAL with a SET LOGMODE command. Only point-in-time database restores can be performed. ROLLFORWARD database restores and individual database volume restores are not possible.

System action: None.
User response: None.

ANR2294I  Log mode set to log mode.

Explanation: The mode for saving recovery log records has been set as indicated by the SET LOGMODE command. When set to NORMAL, only those log records needed to resume database processing if a system failure occurs are saved. When set to ROLLFORWARD, all log records created since the last database backup are saved. ROLLFORWARD mode also enables the database backup trigger to be used to automatically start database backups based on the percentage of recovery log utilization.

System action: None.
User response: None.

ANR2295I  Log mode set to ROLLFORWARD; database backup trigger enabled.

Explanation: The mode for saving recovery log records has been set to ROLLFORWARD, and a previously defined database backup trigger has been enabled. All log records created since the last database backup are saved in this mode. The database backup trigger will automatically start a database backup based on the percentage of recovery log utilization.

System action: None.
User response: None.

ANR2296I  Log mode set to NORMAL; database backup trigger disabled.

Explanation: The mode for saving recovery log records has been set to NORMAL mode, and the defined database backup trigger is disabled. Only those log records needed to resume database processing if a system failure occurs are saved in this mode. Database backups can only be started using the BACKUP DB command.

System action: None.
User response: None.

ANR2297I  Command: Optionset optionset name, option option name, sequence number old sequence number, has been changed to new sequence number.

Explanation: The requested option sequence number has been updated in response to an UPDATE CLIENTOPT command.

System action: None.
User response: None.

ANR2298I  Command: Optionset optionset name, option option name, sequence number old sequence number, is not updated.

Explanation: The requested option sequence number is not updated in response to an UPDATE CLIENTOPT command.

System action: None.
User response: Reissue the UPDATE CLIENTOPT command with a valid old sequence number.

ANR2299I  Password expiration period for administrator administrator name set to number of days days.

Explanation: The number of days that the administrator's password can be used before it must be changed has been set to the value indicated with the SET PASSEXP command.

System action: None.
User response: None.

ANR2300E  Could not open "file spec" the server help file.

Explanation: The named help file could not be accessed.

System action: The requested help text is not displayed.
User response: Contact the system administrator.

ANR2301E  Errors were encountered while setting up the index to the help text.

Explanation: Either insufficient memory or a help file read failure has occurred during setup of the help index.

System action: The server does not display the requested help text.
User response: Contact the system administrator.
ANR2302E  The argument operand is not valid for the HELP command.

Explanation: The argument supplied on the HELP command is not an integer or the name of a command.

System action: The server does not process the HELP command.

User response: Issue the HELP command with no operands and select from the numbered list displayed in response.

ANR2303E  There is no help section numbered section number.

Explanation: The numeric operand supplied on the HELP command is either less than 1 or greater than the highest-numbered entry in the help index.

System action: The server does not process the HELP command.

User response: Issue the HELP command with no operands and select from the numbered list (help index) displayed in response.

ANR2304E  I/O error reading "help file name" the file of help text.

Explanation: An error is detected when reading help text from the named file.

System action: The server ends display of the help text.

User response: Contact the system administrator.

ANR2305E  No such command/subcommand: command subcommand.

Explanation: The operands you entered for the HELP command do not match any named entry into the file of help text.

System action: The server does not process the HELP command.

User response: Check your input for a misspelled command or subcommand name.

ANR2306E  No help text could be found for this command/subcommand: command.

Explanation: The operands you entered for the HELP command, although valid command/subcommand names, do not match any named entry into the file of help text.

System action: The server does not process the HELP command.

User response: Contact the system administrator.

ANR2307E  No help text could be found for this message: message ID.

Explanation: The message ID you entered for the help command does not match any message entry in the file of help text.

System action: The help command is not processed.

User response: Contact the system administrator.

ANR2308W  Audit Volume marking damaged file as damaged on volume volume name: Node node name, Type file type, File space filesystem name, fsId filesystem id, File Name file name is number version of total versions versions.

Explanation: As the result of an AUDIT VOLUME command that specified FIX=YES for the volume shown, the file whose information is displayed is marked as damaged in the server. The file is marked as damaged because it can be recovered from a copy known to exist in a COPY storage pool. If this file belongs to an aggregate, the entire aggregate is marked damaged, and this message will be issued for every file in the aggregate. The version numbers for the file are numbered from most recent (1) to least recent (n, where n is the total number of versions.

System action: The file is marked as damaged in the server database.

User response: To recover the damaged file use the RESTORE STGPOOL or RESTORE VOLUME command.

ANR2309E  The server log mode is currently set to roll-forward. You may run out of log space when auditing the server in this mode. Specify LOGMODE=NORMAL to set the log mode to NORMAL for the audit operation, or LOGMODE=ROLLFORWARD to force the audit operation with the logmode set to roll-forward.

Explanation: An AUDITDB operation was specified and the server log mode is set to roll-forward mode. When in roll-forward mode, the server may run out of log space during the AUDITDB operation, requiring an emergency extend of the recovery log to re-start the server. The recommended log mode for executing an AUDITDB operation is NORMAL.

System action: The AUDITDB operation fails

User response: To force the server log mode to NORMAL for the AUDITDB operation, specify LOGMODE=NORMAL on the AUDITDB command. Specify LOGMODE=ROLLFORWARD on the AUDITDB command to allow the audit to run with a roll-forward log mode setting.
This command will compare all inventory references to volume name with the actual data stored on the volume and will report any discrepancies; the data will be inaccessible to users until the operation completes.

Explanation: During the execution of an AUDIT VOLUME command, any data the volume named would be unavailable to users.

User response: Enter ‘Y’ to audit the volume or ‘N’ to stop the process.

This command will discard any inventory references to volume name associated with missing or inconsistent stored data, thereby rendering the data unrecoverable; the valid data on the volume will be inaccessible to users until the operation completes.

Explanation: During the execution of an AUDIT VOLUME command, any data the volume named would be unavailable to users. After the command has ended, any inconsistent data found will be discarded.

User response: Enter ‘Y’ to audit the volume or ‘N’ to stop the process.

Audit Volume (Repair) process started for volume name (process ID).

Explanation: As the result of an AUDIT VOLUME command that specified FIX=YES for the volume shown, the process whose ID is displayed has begun auditing the volume.

User response: None.

Audit Volume (Inspect Only) process started for volume name (process ID).

Explanation: As the result of an AUDIT VOLUME command that specified FIX=NO for the volume shown, the process whose ID is displayed has begun auditing the volume.

User response: None.

Audit volume process ended for volume name; file count files inspected, file count damaged files deleted, file count damaged files marked as damaged.

Explanation: The AUDIT VOLUME command specifying FIX=YES for the volume shown has ended. The number of files audited and the number of inconsistent files deleted or marked as damaged are displayed. The number of files marked as damaged includes all files belonging to aggregates that were marked damaged during the audit. Files are marked as damaged in primary storage pools and not deleted when backup copies for the files are known to exist in COPY storage pools.

User response: To recover files that have been marked as damaged on the volume, use the RESTORE STGPOOL or RESTORE VOLUME command.

Audit volume process ended for volume name; file count files inspected, file count damaged files found and marked as damaged.

Explanation: The AUDIT VOLUME command specifying FIX=NO for the volume shown has ended. The number of files audited and the number of inconsistent files found are displayed. The number of files marked damaged includes all files belonging to aggregates that were marked damaged during the audit. Inconsistent files are marked as damaged in the database and can be recovered by using the RESTORE STGPOOL or RESTORE VOLUME command if copies of the files reside in a COPY storage pool. Another AUDIT VOLUME command may be able to access the files and reset the damaged indicator in the database if the audit volume process cannot access the files due to hardware problems (for example, dirty tape heads).

User response: If you suspect that files were inaccessible because of hardware problems such as dirty tape heads, correct the hardware problem and reissue the AUDIT VOLUME FIX=NO command for this volume. To remove damaged file references, issue the AUDIT VOLUME command and specify FIX=YES.

Audit Volume deleting damaged file on volume name; Node node name, Type file type, File space filespace name, fsid filespace id, File Name file name is number version of total versions.

Explanation: As the result of an AUDIT VOLUME command that specified FIX=YES for the volume shown, the file whose information is displayed is deleted from the server. The version numbers for the
file are numbered from most recent (1) to least recent (n, where n is the total number of versions.

**System action:** The file is deleted.

**User response:** None.

---

**ANR2317W** Audit Volume found damaged file on volume volume name: Node node name, Type file type, File space filesystem name, fsid filesystem id, File name file name is number version of total versions versions.

**Explanation:** As the result of an AUDIT VOLUME command that specified FIX=NO for the volume shown, the file whose information is displayed is found to be in error and not accessible. If this file belongs to an aggregate, the entire aggregate is marked damaged, and this message will be issued for every file in the aggregate. The version numbers for the file are numbered from most recent (1) to least recent (n, where n is the total number of versions.

**System action:** None.

**User response:** None.

---

**ANR2318W** Audit volume process terminated for volume volume name - process canceled.

**Explanation:** During processing of an AUDIT VOLUME command for the volume shown, the process performing the audit was canceled.

**System action:** The AUDIT VOLUME command is ended.

**User response:** None.

---

**ANR2319W** Audit volume process terminated for volume volume name - error reading device.

**Explanation:** During processing of an AUDIT VOLUME command for the volume shown, an unrecoverable read error occurred on the volume.

**System action:** The AUDIT VOLUME command is ended.

**User response:** Attempt to correct the cause of the read error, and reissue the command.

---

**ANR2320W** Audit volume process terminated for volume volume name - data transfer interrupted.

**Explanation:** During processing of an AUDIT VOLUME command for the volume shown, a data transfer operation has been interrupted and cannot be continued.

**System action:** The AUDIT VOLUME command is ended.

**User response:** Reissue the AUDIT VOLUME command. If the error persists, it may indicate a shortage of server memory.
ANR2325W  Audit volume process terminated for volume volume name - sufficient memory is not available.

Explanation: During processing of an AUDIT VOLUME command for the volume shown, the server does not have enough memory available to complete the command.

System action: The AUDIT VOLUME command is ended.

User response: If necessary make more memory available to the server.

ANR2326W  Audit volume process terminated for volume volume name - lock conflict detected.

Explanation: During processing of an AUDIT VOLUME command for the volume shown, the server cannot obtain a required lock.

System action: The AUDIT VOLUME command is ended.

User response: Reissue the command.

ANR2327W  Audit volume process terminated for volume volume name - internal server error detected.

Explanation: During processing of an AUDIT VOLUME command for the volume shown, an internal server error occurs.

System action: The AUDIT VOLUME command is ended.

User response: Contact your service representative.

ANR2328W  Audit volume process terminated for volume volume name - a process during execution of an AUDIT VOLUME command for volume volume name.

Explanation: During processing of an AUDIT VOLUME command, a data storage object was deleted from the volume that was being audited. The AUDIT VOLUME process was unable to locate this object on the specified volume. Normally, this action is not considered an error condition, because the object was probably deleted by a process such as a DELETE FILESPACE command.

System action: Processing of the AUDIT VOLUME command continues.

User response: Check the activity log to verify that some process (such as a DELETE FILESPACE command) was in progress during the AUDIT VOLUME command that would account for the deleted object. If no such process can be identified, contact your service representative.

ANR2329W  Audit Volume has encountered an I/O error for volume volume name while attempting to read: Node node name, Type file type, Filespace filespace name, fsId filespace id, File Name file name.

Explanation: The AUDIT VOLUME process encountered an I/O error for the specified volume while attempting to read the specified file. If this file belongs to an aggregate, the entire aggregate is marked damaged, and this message will be issued for every file in the aggregate.

System action: None.

User response: Identify and resolve the I/O error for the volume if possible. Verify that the volume’s device is functioning properly and that the volume is usable. For example, if the volume is a tape volume, make sure the drive is clean or that the tape volume is usable by testing it by using a different drive.

ANR2330W  Audit Volume terminated for volume volume name - insufficient number of mount points available for removable media.

Explanation: During Audit Volume for the indicated volume, the server could not allocate sufficient mount points for the volume required.

System action: Audit Volume stops.

User response: If necessary, make more mount points available.
ANR2337W  Header size is reset for object Object ID, verb type (Verb Type), from (Header Size) to (Verb Length).

Explanation: The header size for the specified object was recalculated while auditing a volume.

System action: If FIX=YES was specified, the header size for the object will be updated. Processing continues.

User response: None.

ANR2338E  Diagnostic(ID): Invalid header received for object ObjectID, length Data Length, Size (Header Size), pushed (Pushed Length), skipped (Skipped Length), status (New Retrieve). Found length (Verb Length), type (Verb Type), size (Verb Size).

Explanation: An invalid header was detected for the specified object while auditing a volume. Diagnostic information is included in the message.

System action: If FIX=YES was specified, this object will be marked damaged. Processing continues.

User response: Restore the volume or storage pool that includes this object.

ANR2339E  Command: Object sets still exist for node node name.

Explanation: A REMOVE NODE command has been entered for a node for which the server is still storing backup sets. To remove a node, the node must not have any files or backup sets stored on the server.

System action: The server does not process the command.

User response: To remove the node, delete all backup sets from the server and reissue the command.

ANR2340E  Command: Invalid storage pool name - storage pool name.

Explanation: The command indicated contains an invalid storage pool name.

System action: The server does not process the command.

User response: Reissue the command with a valid storage pool name.

ANR2341E  Command: Missing next storage pool name.

Explanation: The command indicated requires a storage pool name, but none has been entered.

System action: The server does not process the command.

ANR2342E  Command: Storage pool description exceeds maximum characters characters.

Explanation: The command indicated contains a storage pool description that exceeds the maximum length allowed.

System action: The server does not process the command.

User response: Reissue the command with a valid storage pool description.

ANR2343E  Command: Invalid device class name - device class name.

Explanation: The command indicated contains an invalid device class name.

System action: The server does not process the command.

User response: Reissue the command with a valid device class name.

ANR2344E  Command: The "option" option is not valid for device class device class name.

Explanation: The command indicated specifies an option shown that is not valid for a storage pool that belongs to the device class shown.

System action: The server does not process the command.

User response: Reissue the command with options appropriate to the device class.

ANR2345E  Command: Invalid volume name - volume name.

Explanation: The command indicated contains an invalid volume name.

System action: The server does not process the command.

User response: Reissue the command with a valid volume name.

ANR2346E  Command: Volume name "volume name" is not valid for device class device class name.

Explanation: The command indicated specifies the name of a volume that cannot be used with the device class shown.

System action: The server does not process the command.
User response: Reissue the command with a valid volume name.

ANR2347E  Command: Volume name "volume name" is ambiguous; resolves to multiple defined volume names.

Explanation: The command shown was entered with a volume name pattern that matches more than one volume. The command can only process a single volume.

System action: The command is not executed.
User response: Reissue the command with a more specific volume name.

ANR2348E  Command: The "option" option is not valid for a volume assigned to a primary storage pool.

Explanation: The command indicated specifies an option that is not valid for a volume in a primary storage pool.

System action: The server does not process the command.
User response: Reissue the command with valid options for a volume in a primary storage pool.

ANR2349E  Command: The "option" option is not valid for a volume assigned to a copy storage pool.

Explanation: The command indicated specifies an option that is not valid for a volume in a copy storage pool.

System action: The server does not process the command.
User response: Reissue the command with valid options for a volume in a copy storage pool.

ANR2350E  Command: Device class device class name is already defined.

Explanation: The command indicated has attempted to define a device class that already exists.

System action: The server does not process the command.
User response: None.

ANR2351E  Command: Device class device class name is not defined.

Explanation: The command indicated references a device class that does not exist.

System action: The server does not process the command.
User response: None.

ANR2352E  Command: Device class device class name may not be deleted.

Explanation: A DELETE DEVCLASS command specifies the class name DISK, which is a system-defined device class and may not be deleted.

System action: The server does not process the command.
User response: None.

ANR2353E  Command: Device class device class name may not be updated.

Explanation: An UPDATE DEVCLASS command specifies the class name DISK, which is a system-defined device class and may not be changed.

System action: The server does not process the command.
User response: None.

ANR2354E  Command: Device class device class name is still referenced by one or more storage pools, or database backup, or export volumes or backupset volumes.

Explanation: The DELETE DEVCLASS command has attempted to delete a device class that has storage pools assigned to it, or is referenced by database backup, export volumes or backupset volumes.

System action: The server does not process the command.
User response: Issue Q DEVCLASS to view the storage pool reference count, Q STGPOOL to determine which pool references the device class, and Q VOLHIST to locate database backup or export volume or backupset volume references.

ANR2355E  Command: Required parameter is missing - missing parameter.

Explanation: The specified server command has been entered without the required parameter. The required parameter is shown.

System action: The server ignores the command.
User response: Reissue the command and enter the proper syntax.

ANR2356E  Command: Incompatible parameters specified - first parameter, second parameter.

Explanation: The specified server command has been entered with mutually exclusive parameters. The two parameters are listed.
ANR2357E  Command: The DISK device class is not supported for copy storage pools.

Explanation:  An attempt is made to define a copy storage pool using a device of DISK. Copy storage pools can only be assigned to a sequential device class.

System action:  The server does not process the command.

User response:  Reissue the command specifying a sequential device class.

ANR2358E  Command: Device class device class name is still referenced in the volume history file.

Explanation:  The DELETE DEVCLASS command has attempted to delete a device class that is associate with entries in the volume history file. These entries are for volumes that contain database backup or export data.

System action:  The server does not process the command.

User response:  Use the DELETE VOLHIST command to remove that entries before deleting the device class.

ANR2359E  Command: Volume name "volume name" must be specified with a DISK or FILE STGPOOL.

Explanation:  The command indicated specifies the name of a volume that must be specified with a storage pool associated with a device class of type DISK or FILE.

System action:  The server does not process the command.

User response:  Reissue the command with a valid volume name and storage pool.

ANR2360E  Command: Device class device class name may not be used for database backup.

Explanation:  The command specifies the DISK device class, which cannot be used for database backup, backup trigger, or restore operations.

System action:  The server does not process the command.

User response:  Reissue the command with a valid device class.

ANR2361E  Command: A full database backup is required.

Explanation:  A BACKUP DB command specified an incremental backup, but a full backup is required.

System action:  The server does not process the command.

User response:  Reissue the command specifying a full backup.

ANR2362E  Command: Database backup is not currently possible - compressed log records exist in the current transaction checkpoint.

Explanation:  A BACKUP DB command was issued but a database backup cannot be started. Log compression has recently taken place, and the compressed log records are still part of the current transaction checkpoint. After these log records are no longer part of the current checkpoint a backup can take place.

System action:  The server does not process the command.

User response:  Reissue the command at a later time.

ANR2363E  Command: One of the following parameter must be supplied but is missing - missing parameter, missing parameter, missing parameter.

Explanation:  The specified server command has been entered without one of the mutually exclusive required parameters. One of the parameters from the list must be specified.

System action:  The server ignores the command.

User response:  Reissue the command and enter the proper syntax.

ANR2364E  Command: Missing reclaim-storage pool name.

Explanation:  The command indicated requires a storage pool name, but none has been entered.

System action:  The server does not process the command.

User response:  Reissue the command with a storage pool name.

ANR2365I  Backupset backup set name for node node name (data type data type) has been deleted.

Explanation:  The backup set has been deleted.

System action:  The server has deleted the backupset.
ANR2366I  Backupset backup set name for node node name (data type data type) would have been deleted.

Explanation:  The backup set would have been deleted as the result of a DELETE BACKUPSET command, but the PREVIEW=YES parameter was specified.

System action:  None.

User response:  If the backup set is to be deleted, reissue the command without specifying PREVIEW=YES.

ANR2367I  Retention period for backupset backup set name for node node name (data type data type) has been updated.

Explanation:  The backup set's retention period has been updated.

System action:  The server has updated the backupset's retention period.

User response:  None.

ANR2368I  Retention period for backupset backup set name for node node name (data type data type) would have been updated.

Explanation:  The backup set's retention period would have been updated as the result of an UPDATE BACKUPSET command, but the PREVIEW=YES parameter was specified.

System action:  None.

User response:  If the backup set is to be updated, reissue the command without specifying PREVIEW=YES.

ANR2369I  Database backup volume and recovery plan file expiration starting under process process ID.

Explanation:  The server has started expiration processing to remove expired database backup volumes and recovery plan files created on a remote server. This message is issued only if DRM is licensed on the server. The DB backup volumes expired is based on the value specified on the SET DRMDBBACKUPEXPIREDAYS. The recovery plan files expired is based on the value specified on the SET DMRPFFEXPIREDAYS. Server inventory expiration processing deletes the DB backup volumes and recovery plan files only if the volumes or plan files are created on the server to server virtual volumes.

System action:  Server operation continues. The expiration process is cancellable.

User response:  None.
ANR2375E • ANR2384E

ANR2375E  Command: Recovery Log trigger is not defined.
Explanation: The recovery log space trigger cannot be updated or deleted because it is not currently defined.
System action: The server does not process the command.
User response: None.

ANR2376I  Recovery Log Space trigger defined, but is disabled.
Explanation: A recovery log space trigger has been defined, but because the space expansion percentage is currently set to 0, the space trigger is disabled.
System action: None.
User response: To activate the space trigger, use the UPDATE SPACETRIGGER command to set the space expansion percentage to a value greater than 0.

ANR2377I  Recovery Log Space trigger updated and enabled.
Explanation: An UPDATE SPACETRIGGER command has successfully completed for the recovery log space trigger. The updated parameters specified on the command are used to automatically trigger space expansion for the database.
System action: None.
User response: None.

ANR2378I  Recovery Log Space trigger updated, but disabled.
Explanation: An UPDATE SPACETRIGGER command has successfully completed for the recovery log space trigger. However, the space expansion percentage is currently set to 0, which disables the space trigger.
System action: None.
User response: To activate the space trigger, use the UPDATE SPACETRIGGER command with the SPACEexpansion parameter to set a value greater than zero.

ANR2379I  Recovery Log Space trigger deleted.
Explanation: A DELETE SPACETRIGGER command has successfully completed for the recovery log space trigger. Space expansions are no longer triggered automatically for the recovery log.
System action: None.
User response: None.

ANR2380E  Command: Storage pool storage pool name is not defined.
Explanation: A nonexistent storage pool is specified for the issued command.
System action: The server does not process the command.
User response: Reissue the command with a valid storage pool name. If you are using the MACRO command to define and update the storage pool, you must ensure that the DEFINE STGPOOL command is committed before the UPDATE STGPOOL command is issued. See the Administrator's Guide for more information on processing commands in a macro.

ANR2381E  Command: Storage pool storage pool name is already defined.
Explanation: A DEFINE STGPOOL command specifies the name of a storage pool that already exists.
System action: The server does not process the command.
User response: None.

ANR2382E  Command: Storage pool storage pool name still contains at least one volume.
Explanation: A DELETE STGPOOL command specifies a storage pool that has volumes assigned to it.
System action: The server does not process the command.
User response: Delete the volume belonging to the storage pool and reissue the command.

ANR2383E  Command: Storage pool storage pool name is currently in use by clients and/or data management operations.
Explanation: The command indicated references a storage pool that is in use.
System action: The server does not process the command.
User response: Reissue the command at a later time.

ANR2384E  Command: Next or Reclaim storage pool storage pool name introduces a cycle into the storage pool chain.
Explanation: A DEFINE STGPOOL or UPDATE STGPOOL command specifies a next storage pool that eventually points to the pool being processed.
System action: The server does not process the command.
User response: Reissue the command with a different next pool value.
ANR2385E  Command: Storage pool storage pool name is in use as the next or reclaim pool for one or more other storage pools.

Explanation: A DELETE STGPOOL command specifies a pool that is the next pool or the reclaim pool for other storage pools.

System action: The server does not process the command.

User response: If necessary, update other storage pools so that they do not reference the pool to be deleted, and reissue the command.

ANR2386E  Command: High migration threshold must be set greater than or equal to the low migration threshold.

Explanation: A DEFINE or UPDATE STGPOOL command has attempted to set the storage pool low migration threshold (LOWMIG) parameter greater than the high migration threshold (HIGHMIG).

System action: The server does not process the command.

User response: Reissue the command with a low migration threshold less than or equal to the high migration threshold.

ANR2387E  Command: Storage pool storage pool name is not a primary pool.

Explanation: The command indicated specifies the name of a storage pool which is not a primary pool. The command syntax requires that a primary storage pool name be specified.

System action: The server does not process the command.

User response: Reissue the command with a valid primary storage pool name.

ANR2388E  Command: Storage pool storage pool name is not a copy or an active-data pool type pool.

Explanation: The command indicated specifies the name of a storage pool which is not a copy pool or an active-data pool. The command syntax requires that a copy storage pool name or an active-data pool name be specified.

System action: The server does not process the command.

User response: Reissue the command with a valid copy storage pool name or active-data pool name.
ANR2393I  Command: Server device configuration information was written to file name.

Explanation: This message is displayed in response to the BACKUP DEVCONFIG command and indicates that device configuration information was successfully written to the file name indicated.

System action: The server records device configuration information to the file name specified.

User response: None.

ANR2394I  Command: Server device configuration information was written to all device configuration files.

Explanation: This message is displayed in response to the BACKUP DEVCONFIG command and indicates that device configuration information was successfully written to all files that were specified in the server options file.

System action: The server records device configuration information to the device configuration files.

User response: None.

ANR2395I  Command: Device configuration files have NOT been defined for automatic recording - specify a file name for device configuration information.

Explanation: This message is displayed in response to the BACKUP DEVCONFIG command and indicates that device configuration information cannot be written because no files were specified in the options file.

System action: The device configuration information is not written. Server operation continues.

User response: Reissue the BACKUP DEVCONFIG command and specify the name of a file to which you would like to have device configuration information recorded. If desired, you may configure files that should be automatically updated with the DEVCONFIG option and restart the server.

ANR2396E  Command: An I/O error was encountered in writing device configuration information to one or more of the defined device configuration files.

Explanation: The BACKUP DEVCONFIG command does not complete successfully because the server cannot write to one or more of the defined device configuration files.

System action: The server does not process the command.

User response: Examine error messages on the server console that may have been displayed prior to this message and correct any problems, if possible. Contact your service representative if you are unable to resolve the problem.

ANR2397E  Command: An internal server error was encountered in writing device configuration information to one or more of the defined device configuration files.

Explanation: The BACKUP DEVCONFIG command does not complete successfully because the server cannot write to one or more of the defined device configuration files.

System action: The server does not process the command.

User response: Examine error messages on the server console that may have been displayed prior to this message and correct any problems, if possible. Contact your service representative if you are unable to resolve the problem.

ANR2398E  Command: The device configuration file contains a statement with invalid syntax.

Explanation: While processing the device configuration information, an invalid statement has been encountered.

System action: The server ends the operation being performed.

User response: Examine error messages on the server console that may have been displayed prior to this message and correct any problems if you have constructed the device configuration file manually. Make sure the statements are in the proper order. If you let the server construct the device configuration file automatically, restart the server, refresh the device configuration file by issuing the BACKUP DEVCONFIG command, and reissue the operation. If the problem persists, contact your service representative.

ANR2399E  Command: Storage pool storage pool name is not a sequential pool.

Explanation: The command indicated specifies the name of a storage pool which is not a sequential pool. All storage pools are either fixed disk or sequential archival. All tape devices, as well as optical and file device classes, are sequential.

System action: The server does not process the command.

User response: Reissue the command with a valid sequential storage pool name.
ANR2400E  Command: Volume volume name is already defined in a storage pool or has been used previously to store export, database dump, or database backup information.

Explanation: The command indicated specifies the name of a storage pool volume that already exists or has been used to store server export, database dump, or database backup information as recorded in the server volume history file.

System action: The server does not process the command.

User response: Check the spelling of the volume name to ensure it is correct. If the volume does not exist, preallocate it with the appropriate mechanism for the operating system on which the server is running.

ANR2405E  Command: Volume volume name is currently in use by clients and/or data management operations.

Explanation: The command indicated specifies the name of a data storage volume that is currently in use.

System action: The server does not process the command.

User response: Verify that the volume is unavailable by issuing the QUERY VOLHISTORY command. If the volume is listed in the command output, then it is being used and unavailable. Wait until the conflicting volume activity has completed, and then retry this operation. If the volume is currently mounted, but idle, dismount it using the DISMOUNT VOLUME command, and then retry the operation.

ANR2406E  Command: Volume volume name still contains data.

Explanation: The indicated command tries to delete a data storage volume that contains data.

System action: The server does not process the command.

User response: None.

ANR2407E  Command: Maximum number of mirrored copies exceeded.

Explanation: A DEFINE LOGCOPY or DEFINE DBCOPY command has attempted to add a mirror volume, but the maximum number of mirrors for the target volume already exists.

System action: The server does not process the command.

User response: None.

ANR2408E  Command: Capacity of volume volume name must be at least as large as capacity of volume volume name.

Explanation: A DEFINE LOGCOPY or DEFINE DBCOPY command has attempted to add a mirror volume, but the size of the volume to be added is less than the size of the target volume.

System action: The server does not process the command.

User response: Use a larger mirror volume.
ANR2409E  Command: Capacity of volume volume name must be at least 5 megabytes.

Explanation: A define command for a database or log volume or copy has specified a volume that is too small to be used by the server for a database or log volume. The minimum size for one of these volumes is 5 megabytes.

System action: The server does not process the command.

User response: Reissue the command and specify a volume that is at least 5 megabytes in size.

ANR2410E  Command: Unable to access volume volume name - access mode is set to "unavailable".

Explanation: The command shown specifies the volume whose name is displayed, but the volume cannot be accessed because its status is unavailable.

System action: The server does not process the command.

User response: If necessary, reset the status of the volume and reissue the command.

ANR2411E  Command: Unable to access associated volume volume name - access mode is set to "unavailable".

Explanation: The command shown would require access to the volume whose name is displayed (because data from the volume specified in the command spans into this volume); the volume shown cannot be accessed because its status is unavailable.

System action: The server does not process the command.

User response: If necessary, reset the status of the volume and reissue the command.

ANR2412E  Command: Audit operation already in progress for volume volume name.

Explanation: The command specified a volume that is currently in use by an audit volume operation.

System action: If the command is a MOVE NODEDATA command the server will skip the volume and continues moving node data on other volumes.

Other commands are not processed.

User response: Reissue the command after the audit volume operation ends.

ANR2413E  Command: Audit operation already in progress for associated volume volume name.

Explanation: The command shown would require access to the volume whose name is displayed (because data from the volume specified in the command spans into this volume); the volume shown cannot be accessed because it is in use by an audit volume operation.

System action: The server does not process the command.

User response: Reissue the command after the audit volume operation ends.

ANR2414E  Command: Deletion operation already in progress for volume volume name.

Explanation: The command specified a volume that is currently in use by a delete volume operation.

System action: If the command is a MOVE NODEDATA command the server will skip the volume and continues moving node data on other volumes.

Other commands are not processed.

User response: Reissue the command after the delete volume operation ends.

ANR2415E  Command: Deletion operation already in progress for associated volume volume name.

Explanation: The command shown would require access to the volume whose name is displayed (because data from the volume specified in the command spans into this volume); the volume shown cannot be accessed because it is in use by a delete volume operation.

System action: The server does not process the command.

User response: Reissue the command after the delete volume operation ends.

ANR2416E  Command: Move Data operation already in progress for volume volume name.

Explanation: The command specified a volume that is currently in use by a move data operation.

System action: If the command is a MOVE NODEDATA command the server will skip the volume and continues moving node data on other volumes.

Other commands are not processed.

User response: Reissue the command after the move data process ends.
ANR2417E  

**Command:** Move Data operation already in progress for associated volume **volume name**.

**Explanation:** The command shown would require access to the volume whose name is displayed (because data from the volume specified in the command spans into this volume); the volume shown cannot be accessed because it is in use by a move data operation.

**System action:** The server does not process the command.

**User response:** Reissue the command after the move data operation ends.

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ANR2418E  

**Command:** Migration operation already in progress for volume **volume name**.

**Explanation:** The command specified a volume that is currently in use by a migration operation.

**System action:** If the command is a MOVE NODEDATA command the server will skip the volume and continues moving node data on other volumes. Other commands are not processed.

**User response:** Reissue the command after the migration ends.

---

ANR2419E  

**Command:** Migration operation already in progress for associated volume **volume name**.

**Explanation:** The command shown would require access to the volume whose name is displayed (because data from the volume specified in the command spans into this volume); the volume shown cannot be accessed because it is in use by a migration operation.

**System action:** The server does not process the command.

**User response:** Reissue the command after the migration ends.

---

ANR2420E  

**Command:** Space reclamation operation already in progress for volume **volume name**.

**Explanation:** The command specified a volume is currently in use by a reclamation operation.

**System action:** If the command is a MOVE NODEDATA command the server will skip the volume and continues moving node data on other volumes. Other commands are not processed.

**User response:** Reissue the command after the reclamation ends.

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ANR2421E  

**Command:** Space reclamation operation already in progress for associated volume **volume name**.

**Explanation:** The command shown would require access to the volume whose name is displayed (because data from the volume specified in the command spans into this volume); the volume shown cannot be accessed because it is in use by a reclamation operation.

**System action:** The server does not process the command.

**User response:** Reissue the command after the reclamation ends.

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ANR2422E  

**Command:** Volume **volume name** is not a defined disk volume.

**Explanation:** The command shown specifies a volume name that does not match any known disk volume.

**System action:** The server does not process the command.

**User response:** Reissue the command with the correct volume name.

---

ANR2423E  

**Command:** Volume **volume name** is still online.

**Explanation:** An UPDATE VOLUME command specifies access=unavailable for a disk volume that is still online.

**System action:** The server does not process the command.

**User response:** Issue the VARY OFFLINE command, and reissue the UPDATE VOLUME command.

---

ANR2424E  

**Command:** Unable to access volume **volume name** - access mode is set to "destroyed".

**Explanation:** The command shown specifies the volume whose name is displayed, but the volume cannot be accessed because its status is destroyed.

**System action:** The server does not process the command.

**User response:** If necessary, reset the status of the volume and reissue the command.

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ANR2425E  

**Command:** Unable to access volume **volume name** - access mode is set to "offsite".

**Explanation:** The command shown specifies the volume whose name is displayed, but the volume cannot be accessed because its status is offsite.

**System action:** The server does not process the command.
User response: If necessary, reset the status of the volume and reissue the command.

ANR2426I Backupset backup set name defined for node node name (data type data type).

Explanation: The backup set has been defined for the indicated node.

System action: The server has defined the backupset.

User response: None.

ANR2427E Backupset backup set name for node node name (data type data type) was not deleted. Device class device class name was not found.

Explanation: The specified backup set was not deleted because the device class used to generate it was not found.

System action: The backup set is not deleted.

User response: If the device class was inadvertently deleted, redefine it, then delete the backup set again.

ANR2428E Backupset backup set name for node node name (data type data type) has not been deleted due to error error code.

Explanation: The backup set has not been deleted.

System action: The server has not deleted the backupset.

User response: Check related error messages.

ANR2429E Command: Maximum database capacity exceeded.

Explanation: Do not allocate any volume that would cause the database to exceed 500GB. A subsequent DEFINE DBVOLUME command for that volume would fail.

System action: The server does not process the command.

User response: None.

ANR2430E Command: Volume volume name is already defined as a database volume.

Explanation: A DEFINE DBVOLUME command specifies the name of a database volume that already exists.

System action: The server does not process the command.

User response: None.

ANR2431E Command: Volume volume name is not a defined database volume.

Explanation: A DELETE DBVOLUME command specifies the name of a database volume that does not exist.

System action: The server does not process the command.

User response: None.

ANR2432E Command: Maximum number of database volumes exceeded.

Explanation: A DEFINE DBVOLUME command has attempted to add more database volumes than the server can manage.

System action: The server does not process the command.

User response: None.

ANR2433E Command: A database define, delete, extend, reduce, or backup operation is already in progress.

Explanation: The specified command has been entered while a command that is modifying or backing up the database is already active.

System action: The server does not process the command.

User response: Wait for other activity to end, and reissue the command.

ANR2434E Command: Insufficient space on other database volumes to delete volume volume name.

Explanation: A DELETE DBVOLUME command has been entered, but the data on the volume to be deleted cannot be copied to other volumes due to insufficient free space.

System action: The server does not process the command.

User response: Make more database space available, and reissue the command.

ANR2435E Command: Unable to delete database volume volume name - mirrored copies not synchronized.

Explanation: A DELETE DBVOLUME command has been entered, but mirrors of the volume to be deleted are not up to date.

System action: The server does not process the command.

User response: Try the command at a later time (after
ANR2436E  Command: Insufficient space to extend database by requested amount.

Explanation: An EXTEND DB command has been entered, but not enough allocated, unused space is available to the database to add the amount of space requested.

System action: The server does not process the command.

User response: Make more database space available, and reissue the command.

ANR2437E  Command: Output error encountered while attempting to extend database.

Explanation: An EXTEND DB command has been entered, but an I/O error occurs during the command.

System action: The server does not process the command.

User response: Reissue the command. If the problem persists, identify and remove or repair the volume that caused the error.

ANR2438E  Command: Insufficient database space would be available following a reduction by the requested amount.

Explanation: A REDUCE DB command has been entered, but the database does not have enough free space to reduce by the amount specified.

System action: The server does not process the command.

User response: None.

ANR2439E  Command: Unable to vary database volume volume name offline - mirrored copies not synchronized.

Explanation: A VARY OFFLINE command has been entered, but mirrors of the volume to be varied are not up to date.

System action: The server does not process the command.

User response: Try the command at a later time (after database volumes have been synchronized).

ANR2440E  Command: Unable to vary database volume volume name offline - only copy.

Explanation: A VARY OFFLINE command has been entered, but the database volume has no mirrors and therefore contains the only copy of the data on that volume.

ANR2441E  Command: Volume volume name is already defined as a recovery log volume.

Explanation: A DEFINE LOGVOLUME command specifies the name of a recovery log volume that already exists.

System action: The server does not process the command.

User response: None.

ANR2442E  Command: Volume volume name is not a defined recovery log volume.

Explanation: A DELETE LOGVOLUME command specifies the name of a recovery log volume that does not exist.

System action: The server does not process the command.

User response: None.

ANR2443E  Command: Maximum number of recovery log volumes exceeded.

Explanation: A DEFINE LOGVOLUME command attempts to add more recovery log volumes than the server can manage.

System action: The server does not process the command.

User response: None.

ANR2444E  Command: A recovery log define, delete, extend, or reduce operation is already in progress.

Explanation: The specified command has been entered while a command that is modifying the recovery log is already active.

System action: The server does not process the command.

User response: Wait for other activity to end, and reissue the command.

ANR2445E  Command: Insufficient space on other recovery log volumes to delete volume volume name.

Explanation: A DELETE LOGVOLUME command has been entered, but the data on the volume to be deleted cannot be copied to other volumes due to insufficient free space.
ANR2446E Command: Unable to delete recovery log volume volume name - mirrored copies not synchronized.

System action: The server does not process the command.

User response: Make more recovery log space available, and reissue the command.

Explanation: A DELETE LOGVOLUME command has been entered, but mirrors of the volume to be deleted are not up to date.

User response: Try the command at a later time (after recovery log volumes have been synchronized).

ANR2447E Command: Insufficient space to extend recovery log by requested amount.

System action: The server does not process the command.

User response: Make more recovery log space available, and reissue the command.

Explanation: An EXTEND LOG command has been entered, but there is not enough allocated, unused space available to the recovery log to add the amount of space requested.

User response: None.

ANR2448E Command: Output error encountered while attempting to extend recovery log.

System action: The server does not process the command.

User response: Reissue the command. If the problem persists, identify and remove or repair the volume that caused the error.

Explanation: An EXTEND LOG command has been entered, but an I/O error occurs during the command.

User response: None.

ANR2449E Command: Insufficient recovery log space would be available following a reduction by the requested amount.

System action: The server does not process the command.

User response: None.

Explanation: A REDUCE LOG command has been entered, but the recovery log does not have enough free space to reduce by the amount specified.

User response: Set the log mode to NORMAL with the SET LOGMODE command, reissue the REDUCE LOG command, and set the log mode back to ROLLFORWARD with the SET LOGMODE command. If you change the log mode to NORMAL, you can only recover your database to the time of the last complete database backup.

ANR2450E Command: Unable to vary recovery log volume volume name offline - mirrored copies not synchronized.

System action: The server does not process the command.

User response: None.

Explanation: A DELETE LOGVOLUME command has been entered, but mirrors of the volume to be deleted are not up to date.

User response: Try the command at a later time (after recovery log volumes have been synchronized).

ANR2451E Command: Unable to vary recovery log volume volume name offline - only copy.

System action: The server does not process the command.

User response: None.

Explanation: A VARY OFFLINE command has been entered, but the recovery log volume has no mirrors and contains the only copy of the data on that volume.

User response: None.

ANR2452E Command: Maximum recovery log capacity exceeded.

System action: The server does not process the command.

User response: None.

Explanation: Do not allocate any volume that would cause the recovery log to exceed 13GB. A subsequent DEFINE LOGVOLUME command for that volume would fail.

User response: None.

ANR2453E Command: Unable to reduce recovery log - log mode must be set to NORMAL.

System action: The server does not process the command.

User response: Set the log mode to NORMAL with the SET LOGMODE command, reissue the REDUCE LOG command, and set the log mode back to ROLLFORWARD with the SET LOGMODE command. If you change the log mode to NORMAL, you can only recover your database to the time of the last complete database backup.
**ANR2454E**  
*Command: Unable to reduce database - LOGMODE must be set to NORMAL.*

**Explanation:** A REDUCE DB command has been entered, but the recovery log mode of the server is currently set to ROLLFORWARD. The database can only be reduced when log mode is set to NORMAL with the SET LOGMODE command.

**System action:** The server does not process the command.

**User response:** Set the log mode to NORMAL with the SET LOGMODE command, reissue the REDUCE DB command, and reset the log mode to ROLLFORWARD with the SET LOGMODE command. If you change the log mode to NORMAL, you can only recover your database to the time of the last complete database backup.

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**ANR2455E**  
*Command: Unable to access associated volume volume name - access mode is set to "destroyed".*

**Explanation:** The specified command would require access to the volume whose name is displayed (because data from the volume specified in the command spans into this volume); the volume shown cannot be accessed because its status is destroyed.

**System action:** The server does not process the command.

**User response:** If necessary, reset the status of the volume and reissue the command.

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**ANR2456E**  
*Command: Unable to access associated volume volume name - access mode is set to "offsite".*

**Explanation:** The command shown would require access to the volume whose name is displayed (because data from the volume specified in the command spans into this volume); the volume shown cannot be accessed because its status is offsite.

**System action:** The server does not process the command.

**User response:** If necessary, reset the status of the volume and reissue the command.

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**ANR2457E**  
*Command: Backup of primary storage pool primary pool name to copy storage pool copy pool name already in progress.*

**Explanation:** The command shown specifies a backup operation that is already in progress.

**System action:** The server does not process the command.

**User response:** Reissue the command after the current backup operation ends.

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**ANR2458E**  
*Command: Restore of primary storage pool primary pool name (or volumes in that storage pool) already in progress.*

**Explanation:** The command shown cannot be processed because a restore operation involving the indicated storage pool is already in progress. Either a RESTORE STGPOOL command is in progress for the indicated storage pool or a RESTORE VOLUME command is in progress for volumes that belong to the indicated storage pool.

**System action:** The server does not process the command.

**User response:** Reissue the command after the current restore operation ends.

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**ANR2459E**  
*Command: Volume volume name cannot be updated - a restore operation involving that volume is in progress.*

**Explanation:** The indicated volume has an access mode of destroyed. Either a RESTORE STGPOOL command or a RESTORE VOLUME command is in progress to restore the contents of the indicated volume.

**System action:** The server does not process the command.

**User response:** If necessary, cancel the restore processing and update the volume.

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**ANR2460E**  
*Command: Server could not write sequential volume history information to File name.*

**Explanation:** The BACKUP VOLHISTORY command does not complete successfully because the server cannot write to the file name specified.

**System action:** The server does not process the command.

**User response:** Make sure that the server has proper authority to write to the file indicated and that sufficient space is available in the file system for the file. On MVS, make sure that the data set has been allocated and that the server has authority to write to the data set.

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**ANR2461E**  
*Command: An internal error was encountered in writing sequential volume history information to file name.*

**Explanation:** The BACKUP VOLHISTORY command does not complete successfully because the server cannot write to the file name specified.

**System action:** The server does not process the command.

**User response:** Examine error messages on the server.
console that may have been displayed prior to this message and correct any problems, if possible. Make sure that the server has proper authority to write to the file indicated and that sufficient space is available in the file system for the file. On MVS, make sure that the data set has been allocated and that the server has authority to write to the data set.

**ANR2462I**  Command: Server sequential volume history information was written to file name.

**Explanation:** This message is displayed in response to the BACKUP VOLHISTORY command and indicates that sequential volume history information was successfully written to the file name indicated.

**System action:** The server records sequential volume history information to the file name specified.

**User response:** None.

**ANR2463I**  Command: Server sequential volume history information was written to all configured history files.

**Explanation:** This message is displayed in response to the BACKUP VOLHISTORY command and indicates that sequential volume history information was successfully written to all files that were specified in the server options file.

**System action:** The server records sequential volume history information to the configured files.

**User response:** None.

**ANR2464I**  Command: Volume history files have NOT been defined for automatic history recording - specify a file name for recording history information.

**Explanation:** This message is displayed in response to the BACKUP VOLHISTORY. It indicates that sequential volume history information cannot automatically be written because no files were defined in the server options file for recording this information.

**System action:** The sequential volume history information is not written. Server operation continues.

**User response:** Reissue the BACKUP VOLHISTORY command and specify the name of a file for recording sequential volume history information. If desired, you may configure files that should be automatically updated with the VOLUMEHISTORY parameter and restart the server.

**ANR2465E**  Command: An I/O error was encountered in writing sequential volume history information to one or more of the defined volume history files.

**Explanation:** The BACKUP VOLHISTORY command does not complete successfully because the server cannot write to one or more of the defined volume history files.

**System action:** The server does not process the command.

**User response:** Examine error messages on the server console that may have been displayed prior to this message and correct any problems, if possible. Make sure that the server has proper authority to write to the file indicated and that sufficient space is available in the file system for the file. On MVS, make sure that the data set has been allocated and that the server has authority to write to the data set.

**ANR2466E**  Command: An internal server error was encountered in writing sequential volume history information to one or more of the defined volume history files.

**Explanation:** The BACKUP VOLHISTORY command does not complete successfully because the server cannot write to one or more of the defined volume history files.

**System action:** The server does not process the command.

**User response:** Examine error messages on the server console that may have been displayed prior to this message and correct any problems, if possible. Contact your service representative if you are unable to resolve the problem.

**ANR2467I**  Command: number of entries deleted sequential volume history entries were successfully deleted.

**Explanation:** The DELETE VOLHISTORY command successfully deleted the number of entries specified.

**System action:** Server operation continues.

**User response:** None.

**ANR2468E**  Command: An internal server error was encountered while deleting server sequential volume history information.

**Explanation:** The DELETE VOLHISTORY command fails because an internal server error has been encountered.

**System action:** The DELETE VOLHISTORY command fails, and server operation continues.

**User response:** Examine the messages in the activity log or server console that were displayed prior to the error to see if the error can be resolved. Contact your service representative if this error cannot be resolved.
ANR2469E  Command: Invalid volume history type: history type.
Explanation: The command failed because an invalid sequential volume history type was specified for the TYPE= parameter.
System action: The command fails, and server operation continues.
User response: Refer to the Administrator’s Reference for an explanation of the valid types for this command. Reissue the command and specify a valid type value.

ANR2470I  Message output being re-directed to file file name.
Explanation: The message output is being redirected to the specified file instead of being displayed at the console.
System action: None.
User response: None.

ANR2471E  Message output re-direction to file file name failed - unable to open file.
Explanation: An error occurs while trying to open the file. The message output will not be redirected to the specified file.
System action: None.
User response: Determine the cause of the file open failure and take corrective action.

ANR2472E  Command: Invalid volume specified: volume name.
Explanation: The command failed because the sequential history volume specified is not a DB DUMP, DB BACKUP, or EXPORT volume.
System action: The command fails, and server operation continues.
User response: Reissue the command and specify a valid volume name.

ANR2473I  Command for volume volume name completed.
Explanation: The command completed and the volume history file has been updated.
System action: The server records sequential volume history information.
User response: None.

ANR2474E  Command: Input volume names must be specified with the VOLumenames= parameter.
Explanation: The command failed because input volume names were not specified with the VOLumenames parameter.
System action: The command fails.
User response: On some platforms, or with certain device classes, the server cannot prompt to mount input removable media volumes, so the names of the required volumes must be specified in the command. Reissue the command specifying the name(s) of volumes that should be mounted for input.

ANR2475E  Command: File file name could not be opened.
Explanation: The DSMSERV command could not be completed successfully because the file specified (to contain the list of volumes to be used) cannot be opened.
System action: The DSMSERV command fails.
User response: Examine the file name that was specified in the DSMSERV command. Correct the specification, if necessary, so that it specifies the name of a file that exists and is accessible by the server program. Reissue the DSMSERV command if this can be corrected. Contact your service representative if this error cannot be resolved.

ANR2476I  License storage auditing is disabled, no output available.
Explanation: The license storage occupancy function is currently disabled.
System action: None.
User response: To obtain storage occupancy results, remove the NOAUDITSTORAGE or AUDITSTORAGE NO option from the server options file, then restart the server and issue the AUDIT LICENSES command.

ANR2477I  License storage auditing is disabled, storage values may be outdated and should be ignored.
Explanation: The license storage occupancy function is currently disabled.
System action: None.
User response: To obtain storage occupancy results, remove the NOAUDITSTORAGE or AUDITSTORAGE NO option from the server options file, then restart the server and issue the AUDIT LICENSES command.
**ANR2478E**  
Command: Command cannot be executed in this session.  
Explanation: The command indicated is not supported by the session in which it was invoked. For example, a DEFINE CURSOR command cannot be invoked from the server's primary console.  
System action: The server does not process the command.  
User response: The command must be issued from a standard administrator session.

**ANR2479E**  
Command: Invalid SQL cursor name - SQL cursor name.  
Explanation: The command indicated contains an invalid SQL cursor name.  
System action: The server does not process the command.  
User response: Reissue the command with a valid SQL cursor name.

**ANR2480E**  
Command: SQL cursor name SQL cursor name is already defined.  
Explanation: The command indicated specifies an SQL cursor name that has already been defined.  
System action: The server does not process the command.  
User response: Reissue the command and specify a different cursor name.

**ANR2481E**  
Command: SQL cursor name SQL cursor name is not defined.  
Explanation: The command indicated specifies an SQL cursor name that has not been defined.  
System action: The server does not process the command.  
User response: Use the DEFINE CURSOR command to first define the cursor.

**ANR2482E**  
Command: SQL cursor SQL cursor name is already open.  
Explanation: The command indicated failed because an SQL cursor is already open.  
System action: The server does not process the command.  
User response: Use the CLOSE CURSOR command to first close the current cursor.

**ANR2483E**  
Command: No SQL cursor is currently open.  
Explanation: The command indicated failed because no SQL cursor is currently open.  
System action: The server does not process the command.  
User response: Use the OPEN CURSOR command to first open a cursor.

**ANR2484E**  
Command: Invalid SQL date-time display format - SQL date-time display format name.  
Explanation: The command indicated contains an invalid SQL date-time display format name.  
System action: The server does not process the command.  
User response: Reissue the command with a valid SQL date-time format name.

**ANR2485E**  
Command: Invalid SQL display format - SQL display format name.  
Explanation: The command indicated contains an invalid SQL display format name.  
System action: The server does not process the command.  
User response: Reissue the command with a valid SQL display format name.

**ANR2486E**  
Command: Invalid SQL character arithmetic mode - SQL arithmetic mode.  
Explanation: The command indicated contains an invalid SQL arithmetic mode name.  
System action: The server does not process the command.  
User response: Reissue the command with a valid SQL arithmetic mode name.

**ANR2487E**  
Command: An SQL expression is required.  
Explanation: The command indicated requires that an SQL expression be provided through the SQL keyword parameter.  
System action: The server does not process the command.  
User response: Reissue the command specifying an SQL expression.
List file list file name could not be opened.

Explanation: While attempting to read or write a sequential file list, the server was unable to open the file name specified.

System action: The server does not use the list file.

User response: Examine error messages that may have been displayed prior to this message and correct any problems, if possible. For OUTFILE files, make sure that the server has proper authority to write to the file indicated and that there is sufficient space in the file system for the file. On OS/390 and z/OS, make sure that the server has authority to write to the data set.

An error was encountered writing to volume list file volume list file name.

Explanation: While attempting to write to the sequential file for a volume list an error occurs on the file name specified. The volume list is not be complete and should not be used for input.

System action: The server stops writing to the file.

User response: Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Make sure that the server has authority to write to the file indicated and that there is sufficient space in the file system for the file. On MVS, make sure that the server has authority to write to the data set. Obtain the volume list from console messages, the QUERY VOLHISTORY command or the volume history file, if it is used.

Command: NODENAMES and SERVERNAMES parameters cannot both be specified in the same command.

Explanation: The command indicated failed because both the nodenames parameter and the servernames parameter were specified.

System action: None.

User response: Determine whether you want the action taken for one or more nodes or for one or more servers and reenter the command with only the correct parameter specified.

Volume Creation Process starting for volume name, Process Id process ID.

Explanation: As a result of a DEFINE VOLUME, DEFINE DBVOLUME, or DEFINE LOGVOLUME command with the SIZE=xxx parameter, a new volume is being created. The process whose ID is displayed has begun to create the volume shown.

System action: The server creates the volume and adds it to the server.

Schedule schedule name defined in policy domain domain name.

Explanation: This message is displayed in response to the DEFINE SCHEDULE command. The schedule named schedule name has been defined in the policy domain named domain name in the server database.

System action: Server operation continues.

User response: None.

Schedule schedule name deleted from policy domain domain name.

Explanation: This message is displayed in response to the DELETE SCHEDULE command. The schedule named schedule name has been deleted from the policy domain named domain name in the server database.

System action: Server operation continues.

User response: None.

Schedule schedule name updated in policy domain domain name.

Explanation: This message is displayed in response to the UPDATE SCHEDULE command. The schedule named schedule name has been updated in the policy domain named domain name in the server database.

System action: Server operation continues.

User response: None.

Schedule schedule name in domain domain name copied to schedule new schedule name in domain new domain name.

Explanation: This message is displayed in response to the COPY SCHEDULE command. The schedule named schedule name in policy domain domain name has been copied to the schedule named new schedule name in the policy domain named new domain name. Node associations have not been copied.

System action: Server operation continues.

User response: None.

Schedule schedule name deleted.

Explanation: This message is displayed in response to the DELETE SCHEDULE command. The schedule named schedule name has been deleted from the server database.

System action: Server operation continues.

User response: None.
ANR2505I  number of schedules schedules were defined for command.  
Explanation: number of schedules were generated and nodes successfully associated for the command issued.  
System action: Server operation continues.  
User response: If the number is less than expected, check the nodeList and domainList combination specified to the DEFINE CLIENTACTION command. Schedules are generated when at least one node in the nodeList exists in a domain in the domainList.  

ANR2506I Node node name associated with schedule schedule name in policy domain domain name processed. rc=return code.  
Explanation: This message is displayed in response to the DEFINE CLIENTACTION WAIT=YES command. Node node name is associated with the schedule named schedule name in policy domain domain name has been processed. Name The result is indicated in the return code return code.  
System action: Server operation continues.  
User response: If the return code is non-zero, issue the QUERY ACTLOG command to view the activity log and search for the error messages. After the error has been resolved, restart the scheduled operations.  

ANR2507I Schedule schedule name for domain domain name started at start timestamp for node node name completed successfully at timestamp.  
Explanation: The scheduled operation for the domain name and schedule name specified was processed. It was processed for node node name and completed successfully at the indicated time.  
System action: Server operation continues.  
User response: This message is intended to report the completion state of a scheduled client action. This message indicates that the scheduled action completed successfully.  

ANR2508E Trace Tsmtrcfm failed: A tracefile name is required.  
Explanation: Trace Tsmtrcfm doesn't output to console  
System action: Trace won't start without a tracefile name for Trace Tsmtrcfm  
User response: Issue the command with a tracefile name.  

ANR2509E Command: Invalid Virtual file space name - vfs name.  
Explanation: The specified server command has been entered with a virtual file space name that is longer than allowed.  
System action: The server does not process the command.  
User response: Reissue the command with a valid virtual file space name.  

ANR2510I Node node name associated with schedule schedule name in policy domain domain name.  
Explanation: This message is displayed in response to the DEFINE ASSOCIATION command. Node node name is associated with the schedule named schedule name in policy domain domain name. Schedule schedule name is now applied to node node name.  
System action: Server operation continues.  
User response: None.  

ANR2511I Node node name disassociated from schedule schedule name in policy domain domain name.  
Explanation: This message is displayed in response to the DELETE ASSOCIATION command. Node node name is no longer associated with the schedule named schedule name in policy domain domain name.  
System action: Server operation continues.  
User response: None.  

ANR2512I Event records deleted: record count.  
Explanation: This message is displayed in response to the DELETE EVENT command. A total of record count event records have been deleted from the database.  
System action: Server operation continues.  
User response: None.  

ANR2513I Schedule schedule name copied to schedule new schedule name.  
Explanation: This message is displayed in response to the COPY SCHEDULE command. The schedule named schedule name has been copied to the schedule named new schedule name.  
System action: Server operation continues.  
User response: None.
ANR2514E  Command: Virtual file space name vfs name conflicts with file space on the network attached storage (NAS) device.

Explanation: The specified server command has been entered with a virtual file space that has the same name as a file space on the NAS device.

System action: The server does not process the command.

User response: Ensure that no virtual file space mappings for this NAS device have the same name as an actual file space that exists on the NAS device.

ANR2515I  Command: A virtual file space mapping named vfs name for node node name has been defined.

Explanation: In response to the DEFINE VIRTUALFSMAPPING command, a virtual file space mapping for the specified node has been defined in the server database.

System action: Server operation continues.

User response: None.

ANR2516E  Command: The specified file space, fs name, does not exist on the NAS device associated with the node node name.

Explanation: The specified server command has been entered with a file space that does not exist on the associate NAS device.

System action: The server ignores the command.

User response: Reissue the command with a valid file space name from the NAS device.

ANR2517E  Command: The virtual file space vfs name is already defined for node node name.

Explanation: The specified command has been issued with a virtual file space name that has already been defined for the indicated node.

System action: Server operation continues, but the command is not processed.

User response: Issue the command using a virtual file space name that has not already been defined for this node.

ANR2518E  Command: A virtual file space mapping already exists to the specified node, file space and path.

Explanation: The specified command has been issued with a node, file space and path for which there is already a virtual file space mapping defined.

System action: Server operation continues, but the command is not processed.

User response: Issue the command using a file space and path that does not already have a mapping defined.

ANR2519E  Command: The file space, fs name, does not exist on the NAS device associated with the node node name.

Explanation: During a Backup of a virtual file space mapping for a NAS device, the server detected that the file space upon which the virtual file space resides does not exist on the associated NAS device.

System action: The server ignores the command.

User response: Use QUERY VIRTUALFSMAPPING to verify that the virtual file space mapping is defined correctly.

ANR2520I  Scheduled sessions set to percent percent.

Explanation: This message is displayed in response to the SET MAXSCHEDSESSIONS command. It indicates the percentage of total server sessions that can be used for the processing of scheduled work.

System action: Server operation continues.

User response: None.

ANR2521I  Event record retention period set to days days.

Explanation: This message is displayed in response to the SET EVENTRETENTION command. It indicates the number of days for which event records are retained in the database.

System action: Server operation continues.

User response: None.

ANR2522I  Randomization set to percent percent.

Explanation: This message is displayed in response to the SET RANDOMIZE command. It indicates the percentage of the startup window over which the start times for individual clients are distributed.

System action: Server operation continues.

User response: None.

ANR2523I  Schedule query period set to hours hour(s).

Explanation: This message is displayed in response to the SET QUERYSCHEDPERIOD command. It indicates the number of hours between attempts by the client to contact the server for scheduled commands.

System action: Server operation continues.

User response: None.
**ANR2524I**  Schedule query period reset to value determined by each client.

**Explanation:** This message is displayed in response to the SET QUERYSCHEDPERIOD command.

**System action:** Server operation continues.

**User response:** None.

**ANR2525I** Maximum number of command retries set to retries.

**Explanation:** This message is displayed in response to the SET MAXCMDRETRIES command. It indicates the maximum number of times the client scheduler retries a command after a failed attempt to process a scheduled command.

**System action:** Server operation continues.

**User response:** None.

**ANR2526I** Maximum number of command retries reset to value determined by each client.

**Explanation:** This message is displayed in response to the SET MAXCMDRETRIES command.

**System action:** Server operation continues.

**User response:** None.

**ANR2527I** Retry period set to minutes minutes.

**Explanation:** This message is displayed in response to the SET RETRYPERIOD command. It indicates the number of minutes between attempts by the client scheduler to retry, after a failed attempt, to contact the server or to process a scheduled command.

**System action:** Server operation continues.

**User response:** None.

**ANR2528I** Retry period reset to value determined by each client.

**Explanation:** This message is displayed in response to the SET RETRYPERIOD command.

**System action:** Server operation continues.

**User response:** None.

**ANR2529I** Scheduling mode set to POLLING.

**Explanation:** This message is displayed in response to the SET SCHEDMODES command. With client-polling scheduling, the server contacts the client when scheduled work needs to be performed and a session is available.

**System action:** Server operation continues.

**User response:** None.

**ANR2530I** Scheduling mode set to PROMPTED.

**Explanation:** This message is displayed in response to the SET SCHEDMODES command. With server-prompted scheduling, the server contacts the client when scheduled work needs to be performed and a session is available.

**System action:** Server operation continues.

**User response:** None.

**ANR2531I** Scheduling mode set to ANY.

**Explanation:** This message is displayed in response to the SET SCHEDMODES command. The server now allows clients to run in either the client-polling or the server-prompted scheduling mode.

**System action:** Server operation continues.

**User response:** None.

**ANR2532I** Schedule schedule name updated.

**Explanation:** This message is displayed in response to the UPDATE SCHEDULE command. The schedule named schedule name has been updated in the server database.

**System action:** Server operation continues.

**User response:** None.

**ANR2533I** Client action schedule schedule name was not executed by node name in domain name.

**Explanation:** Immediate client action schedule name was not executed by node name, which is in domain domain name. The schedule is being deleted.

**System action:** Server operation continues.

**User response:** None.
ANR2535E  Command: The node node name cannot be removed or renamed because it has an associated data mover.

Explanation: You attempted to remove or rename a node that has an associated data mover.

System action: The server does not remove or rename the node.

User response: To remove or rename the node, delete the associated data mover and reissue the command.

ANR2536E  Command: The "option" option is not valid with the storage pool's data format.

Explanation: The command indicated includes an option that is not valid with the specified (or defaulted) data format for the storage pool.

System action: The server does not process the command.

User response: Reissue the command with options appropriate for the desired data format of the storage pool.

ANR2537E  Command: Device class device class name has a device type that is not allowed for this operation.

Explanation: The device class in the indicated command has a device type that is not allowed for this operation.

System action: The server does not process the command.

User response: Choose a different device class and reissue the command.

ANR2538E  Command: Backup set cannot be generated for NAS node node name.

Explanation: Backup sets cannot be generated for NAS nodes.

System action: The command fails.

User response: None.

ANR2539E  Command: Storage pool Storage Pool Name does not have a valid data format.

Explanation: The data format of the indicated storage pool is not valid for the requested operation. The storage pool must have NATIVE or NONBLOCK data format. The server is unable to perform the requested operation.

System action: The command fails.

User response: Choose a different storage pool with the appropriate data format and reissue the command.

ANR2540E  Command: The "option" device class is not valid with the storage pool's data format.

Explanation: The command indicated specifies a device class that is not valid with the specified (or defaulted) data format for the storage pool.

System action: The server does not process the command.

User response: Reissue the command with a data class appropriate for the desired data format of the storage pool.

ANR2541E  Command: The storage pool specified with option "option" is not compatible with the option's intended use.

Explanation: The command specifies a storage pool whose device class is a Centera device. Such storage pools are not available for use with data movement operations such as reclaim or attributes such as copy, active-data, or reclaim storage pools.

System action: The server does not process the command.

User response: Issue the command again with a storage pool appropriate for the desired function.

ANR2542E  Command: The storage pool is not compatible with the operation's intended use.

Explanation: The command specifies a storage pool whose device class is a Centera device. Such storage pools are not available for use with data movement operations, such as reclaim, or attributes, such as copy or reclaim storage pools.

System action: The server does not process the command.

User response: Issue the command again with a storage pool appropriate for the desired function.

ANR2543E  Command: The volume name is not compatible with the operation's intended use.

Explanation: The command specifies a volume that resides in a storage pool whose device class is a Centera device. Such volumes are not available for use with data movement operations, such as reclaim, or attributes, such as copy or reclaim storage pools.

System action: The server does not process the command.

User response: Issue the command again with a volume appropriate for the desired function.
### ANR2544E Unable to open the centera device at hla

**Explanation:** The server cannot start communication with the device at the specified HLA.

**System action:** The transaction needing this device fails.

**User response:** Verify that the hla specified in the device class is correct, verify that the centera device is operational.

### ANR2545E The version of the centera library, version, is not compatible with the server.

**Explanation:** The centera library must be at least version 2 to be able to be compatible with the server.

**System action:** The transaction fails.

**User response:** Contact your service representative.

### ANR2546E The centera device is not capable of performing the required operation, version.

**Explanation:** The centera device must be capable of reading, writing and deleting objects. The device is not capable of performing at least one of these operations.

**System action:** The transaction fails.

**User response:** Contact your service representative.

### ANR2547E A Centera device (devclass) reported error "message, error" during command Centera command.

**Explanation:** The Centera device reported an error while performing the specified command.

**System action:** The operation fails.

**User response:** Verify that the IP addresses specified in the device class associated with the storage pool are correct. Contact your service representative if the problem persists.

### ANR2548I NAS command: Renaming file space filesystem name for node node name to file space new filesystem name.

**Explanation:** The NAS Backup process detected a name conflict between the Virtual file space filesystem name and a file space on the NAS device associated with the node node name. The Virtual file space is renamed to the new filesystem name. During a NAS backup process, if the object to be backed up is a Virtual file space, TSM will verify that this name does not also exist as a file space on the NAS device. If a name conflict exists, TSM will rename the existing Virtual file space and the associated file space definition, if one exists.

**System action:** NAS Backup processing for the command continues.

**User response:** None; however, users should make note of the original Virtual file space filesystem name and the new new filesystem name so that they know where the backup data for this Virtual file space is located. Note, the RENAME FILESPACE command may be used to rename the Virtual file space to a more appropriate name.

### ANR2549E Command: Invalid virtual file space name. A virtual file space mapping name must have a forward slash as the first character.

**Explanation:** The specified server command has been entered with a virtual file space name that is does not have a forward slash as the first character.

**System action:** The server does not process the command.

**User response:** Reissue the command with a valid virtual file space name.

### ANR2550W command name: Administrative schedule schedule name does not have valid activation information.

**Explanation:** This message is displayed during a database audit and indicates that the 'ACTIVE=YES or NO' information is not recorded correctly for an administrative schedule in the server database.

**System action:** Server database audit operation continues.

**User response:** Execute the AUDITDB operation specifying FIX=YES so that the activation information can be corrected.

### ANR2551I command name: Administrative schedule schedule name does not have valid activation information - activation information will be deleted.

**Explanation:** This message is displayed during a database audit and indicates that the 'ACTIVE=YES or NO' information is not recorded correctly for an administrative schedule in the server database. The audit operation corrects this discrepancy by removing the invalid activation information.

**System action:** Server database audit operation continues.

**User response:** The named administrative schedule will now appear to be inactive in the server database (as if ACTIVE=NO was specified). If you want this schedule to be active, execute the UPDATE SCHEDULE
command with the ACTIVE=YES parameter to activate
the schedule when the server is restarted.

**ANR2552I** Server now enabled for session type access.

**Explanation:** The server has been made available for use by the specified session types with the ENABLE command.

**System action:** None.

**User response:** None.

**ANR2553I** Server now disabled for session type access.

**Explanation:** The server has been made unavailable for use by the specified session types with the DISABLE command.

**System action:** None.

**User response:** None.

**ANR2554I** Format lfvolume process process id ended for storage pool pool name, number of volumes requested volumes requested, number of volumes formatted volumes formatted.

**Explanation:** The FORMAT LFVOLUME process for the storage pool shown has ended. The number of volumes requested to be formatted, and the number of volumes actually formatted are displayed.

**System action:** None.

**User response:** If the number of volumes formatted is less than the number of volumes requested to be formatted, check the activity log for messages indicating the reason for the difference. Possible reasons include the process was canceled, no more scratch volumes are allowed in the storage pool, or an error occurred processing a scratch volume.

**ANR2556W** The managed server server name is not capable of using enhanced style client schedule schedule name in domain domain name. The domain will not be propagated to this server.

**Explanation:** The client schedule schedule name uses enhanced style schedule syntax. The schedule is in a domain which is a managed object and one or more of the managed servers that subscribe to it are not capable of using an enhanced style schedule. Only TSM servers that are at least Version 5 Release 3 are capable of using enhanced style schedules. During configuration refresh processing, the domain will not be propagated to managed servers that are not capable of using it.

**System action:** Server operation continues.

**User response:** Consider upgrading managed servers to at least TSM Version 5 Release 3.

**ANR2557W** The managed server server name is not capable of using the enhanced style administrative schedule schedule name. The administrative schedule will not be propagated to this server.

**Explanation:** The managed server server name is subscribed to an administrative schedule that uses enhanced style syntax. The managed server is not capable of using an enhanced style schedule. Only TSM servers that are at least Version 5 Release 3 are capable of using enhanced style schedules.

**System action:** Server operation continues. The administrative schedule will not be propagated to the managed server.

**User response:** Consider upgrading the managed server to at least TSM Version 5 Release 3.

**ANR2558W** One or more managed servers that subscribe to domain domain name which contains client schedule schedule name are not capable of using an enhanced style schedule.

**Explanation:** The client schedule schedule name uses enhanced style schedule syntax. The schedule is in a domain which is a managed object and one or more of the managed servers that subscribe to it are not capable of using an enhanced style schedule. Only TSM servers that are at least Version 5 Release 3 are capable of using enhanced style schedules. During configuration refresh processing, the domain will not be propagated to managed servers that are not capable of using it.

**System action:** Server operation continues.

**User response:** Consider upgrading managed servers to at least TSM Version 5 Release 3.

**ANR2559W** One or more managed servers that subscribe to administrative schedule schedule name are not capable of using an enhanced style schedule.

**Explanation:** The administrative schedule schedule name uses enhanced style schedule syntax. The schedule is a managed object and one or more of the managed servers that subscribe to it are not capable of using an enhanced style schedule. Only TSM servers that are at least Version 5 Release 3 are capable of using enhanced style schedules. During configuration refresh processing, The schedule will not be propagated to managed servers that are not capable of using it.

**System action:** Server operation continues.

**User response:** Consider upgrading managed servers to at least TSM Version 5 Release 3.
ANR2560I Schedule manager started.
Explanation: The schedule manager is started when the server is initialized. The schedule manager maintains entries of scheduled operations.
System action: Server operation continues.
User response: None.

ANR2561I Schedule prompter contacting node name (session session number) to start a scheduled operation.
Explanation: The schedule prompter contacts the client scheduler for node node name because a scheduled operation should be started for that node.
System action: Server operation continues.
User response: None.

ANR2562I Automatic event record deletion started.
Explanation: A process has been started to delete event records for which the retention period has elapsed.
System action: Server operation continues.
User response: None.

ANR2563I Removing event records dated prior to date time.
Explanation: Events that were scheduled to start prior to date time are automatically deleted unless their startup window has not yet elapsed.
System action: Server operation continues.
User response: None.

ANR2564I Automatic event record deletion ended - record count records deleted.
Explanation: The event deletion process has ended. A total of record count event records have been deleted from the database.
System action: Server operation continues.
User response: None.

ANR2565I schedules schedules for immediate client actions have been deleted.
Explanation: A total of schedules that were generated by the DEFINE CLIENTACTION command have expired and been deleted from the database.
System action: Server operation continues.
User response: None.

ANR2566E An error occurred while deleting immediate client action schedules.
Explanation: Processing did not complete for deleting schedules that were generated by the DEFINE CLIENTACTION command.
System action: Server operation continues.
User response: Check the activity log for other messages that might relate to this failure. Correct any memory or space problems.

ANR2567W Schedule prompter skipped contact attempt with node name to start a scheduled operation.
Explanation: The schedule prompter skipped the contact attempt with the client scheduler for node node name because the start-up window has passed for that node, or the node was locked.
System action: Server operation continues.
User response: Check the length of the schedule start-up window to see if it needs to be increased. Check the activity log for ANR2716E messages. These messages are associated with failures to contact a client scheduler. If there are an excessive number of these messages the schedule window could have elapsed waiting for TCP/IP timeouts from these failed attempts. Also, check to see if the client node is locked. The contact attempt would be skipped for a locked node.

ANR2568E Request for node node to start schedule schedule at startTime is denied. Current time is now.
Explanation: The client scheduler attempted to start the specified instance of a schedule for a node. The request was denied because that instance is still in the future.
System action: Server operation continues. The node does not start the schedule.
User response: Check the client schedule and error logs for problems with the network or the preschedule command. Also, you may need to upgrade the client.

ANR2569E Request by node node to report results (result, code code) for schedule schedule at startTime is denied. Current time is now.
Explanation: The client scheduler attempted to report the results of executing the specified schedule. However, the schedule occurs in the future. The results will not be saved.
System action: Server operation continues. The results will not be saved.
User response: Check the client schedule and error
logs for problems with the network or the preschedule command. Also, you may need to upgrade the client.

**ANR2570W**  A scheduled session has been denied.  
**The schedule manager is not active.**

**Explanation:** The client scheduler attempts to connect with the server, but it is denied a session because the schedule manager is not active.

**System action:** Server operation continues, but central scheduling is not operational.

**User response:** Issue the QUERY OPTION command to determine if the option DISABLESCHDS YES has been specified in the server options file. If so, scheduling can be enabled by updating the server options file with DISABLESCHDS NO and restarting the server. If DISABLESCHDS YES was not specified in the server options file, determine the source of the error by examining the QUERY ACTLOG command to view the activity log and search for messages. After the error has been resolved, restart the server to restore central scheduler operations. If the error cannot be isolated and resolved, contact your service representative.

**ANR2571W**  Scheduled session from node *node name* (platform name) has been denied, scheduled sessions are not currently available.

**Explanation:** The client scheduler for node *node name* attempts to connect with the server, but is denied a session. All sessions that have been allocated for scheduled operations are already in use.

**System action:** Server operation continues.

**User response:** Issue the QUERY OPTION command to determine if the option DISABLESCHDS YES has been specified in the server options file. If so, scheduling can be enabled by updating the server options file with DISABLESCHDS NO and restarting the server. If DISABLESCHDS YES was not specified in the server options file, change the total number of sessions by altering the MAXSESSIONS parameter in the server options file and then restarting the server. The percentage of sessions that are available for scheduled operations can be increased by using the SET MAXSCHEDSESSIONS command.

**ANR2572W**  Schedule prompter session to node *node name* has been denied, scheduled sessions are not currently available.

**Explanation:**  The server attempts to prompt the client scheduler for node *node name*, but all sessions that have been allocated for scheduled operations are already in use.

**System action:** The server continues to attempt contact with the client scheduler until the startup window for the scheduled event has elapsed.

**User response:** To increase the amount of database space that is available to the server, issue the EXTEND DBSPACE command. Add one or more directories to the database.
ANR2576W  An attempt was made to update an event record for a scheduled operation which has already been executed for node node name.

Explanation: The server cannot update the event record for the specified client node. The existing record indicates that the scheduled operation has already completed. This can happen when two or more client schedules are running for this node, or because the client has retried the operation after an error has occurred.

System action: Server operation continues. The existing event record is not modified. No further processing is performed for this scheduled operation.

User response: Contact the user for this client node, and make sure that only one client scheduler is running.

ANR2577I  Schedule schedule name defined.

Explanation: This message is displayed in response to the DEFINE SCHEDULE command. The schedule named schedule name in the server database.

System action: Server operation continues.

User response: None.

ANR2578W  Schedule schedule name in domain domain name for node node name has missed its scheduled start up window.

Explanation: This message is displayed when the scheduled startup window for this schedule has passed and the schedule has not begun.

System action: Server operation continues. The scheduled operation is not processed by the server.

User response: Ensure that a scheduled session for node node name has been initiated from the client to the server. Refer to Administrator's Guide and Administrator's Reference for more information on setting up scheduling operations.

ANR2579E  Schedule schedule name in domain domain name for node node name failed (return code return code).

Explanation: This message is displayed when a client reports failure in executing a scheduled action. The return code reported by the client is displayed.

System action: Server operation continues.

User response: Examine the node's schedule log to determine the cause for the failure.

ANR2580E  Schedule schedule name in domain domain name for node node name failed.

Explanation: This message is displayed when the server finds that a scheduled start window has elapsed for a client schedule and the client is not currently running the schedule.

System action: Server operation continues.

User response: Examine the node's schedule log to determine the cause for the failure. Ensure that the client scheduler is started.

ANR2581W  Schedule schedule name of an administrative command has missed its scheduled start up window.

Explanation: This message is displayed when the scheduled startup window for this schedule has passed and the schedule has not begun.

System action: Server operation continues. The scheduled operation is not processed by the server.

User response: Ensure that the duration and period specified in the schedule are long enough to allow the schedule to start. Refer to Administrator's Guide and Administrator's Reference for more information on setting up scheduling operations.

ANR2582E  Command: Specified device class cannot be used with storage pools with different reclamation types.

Explanation: Storage pools can be defined with RECLAMATIONTYPE=THRESHOLD or RECLAMATIONTYPE=SNAPLOCK. A device class can only be used with either RECLAMATIONTYPE=THRESHOLD or RECLAMATIONTYPE=SNAPLOCK storage pools. An attempt was made to define a storage pool with one type of reclamation type with a device class that is already associated with another storage pool of the other reclamation type.

System action: The command fails.

User response: Reissue the command and specify another device class that is referenced by storage pools with the same reclamation type as your new storage pool. You may need to define another device class.

ANR2583E  Command: Storage pool storage pool name is not a LAN-free storage pool.

Explanation: The command indicated specifies the name of a storage pool which is not a LAN-free pool. The command syntax requires that a LAN-free storage pool name be specified.

System action: The server does not process the command.
**User response:** Reissue the command with a valid LAN-free storage pool name.

**ANR2584E**  
Command: An email address exceeds maximum characters.

**Explanation:** A REGISTER NODE or REGISTER ADMIN command has been entered that specifies a list of email addresses, and one of those addresses is too long. The maximum valid length for a single email address is shown in the command.

**System action:** The server does not process the command.

**User response:** Reissue the command with a shorter email address.

**ANR2585E**  
Command: An email address contains invalid syntax.

**Explanation:** A server command has been entered that specifies an invalid email address. Email addresses must be in the format "name@domain", where the name must be between 1 and 64 characters long, and the domain must be between 1 and 255 characters long.

**System action:** The server does not process the command.

**User response:** Reissue the command with a correct email address.

**ANR2586W**  
Setting the server name to serverName can adversely affect or stop operations that depend on communications such as for the following purposes: administration from the Administration Center, client operations from backup-archive clients, library sharing with the library manager or library clients, or other server to server operations such as virtual volumes, event logging, or enterprise configuration. See the administrator's guide for more information about these components and the impact of changing the server name.

**Explanation:** The name that the server displays and communicates with has been set to the value indicated with the SET SERVERNAME command. Communication with the Tivoli Storage Manager server is based on the name assigned to the server. If this is a source server for a virtual volume operation, changing this value can impact the ability of the source server to access and manage the data it has stored on the corresponding target server. Windows clients use the server name to identify which passwords belong to which servers. Changing the server name after the clients are connected forces the clients to re-enter the passwords. On a network where clients connect to multiple servers, it is recommended that all of the servers have unique names.

**System action:** Tivoli Storage Manager prompts the user to continue.

**User response:** Enter 'Y' to change the server name. Enter 'N' if you do not want to change the server name.

**ANR2587E**  
TSM encountered a zero verb on backupset volume Volume and skipped to the next volume.

**Explanation:** TSM detected the problem described in APAR PK12572. The server options file contains SKIPONZEROVERBBACKUPSET ON. TSM verified there was no further data on the volume, and skipped to the next volume.

**System action:** Processing continues.

**User response:** If the backupset volume was written before TSM 5.2.7, or 5.3.3 was put on the system and meets the PK12572 criteria, no action is required. If not, the volume has encountered a read error, and should read again on a server without the SKIPONZEROVERBBACKUPSET ON option to get the correct error messages for problem determination.

**ANR2588E**  
Command: Storage pool "StgPool" cannot have CACHE set to YES with a non zero SHRED attribute.

**Explanation:** Storage pools can be defined or updated with a non zero SHRED attribute only if the storage pool CACHE attribute is NO. Existing storage pools with CACHE attribute of YES cannot be updated with a non zero SHRED attribute. Likewise, existing storage pools with a non zero SHRED attribute cannot be updated with CACHE = YES. Existing storage pools with CACHE set to YES cannot be updated with a non zero SHRED attribute. New storage pools cannot be define nor can existing storage pools be modified with CACHE set to YES and a non zero SHRED value.

**System action:** The command fails.

**User response:** Reissue the command and specify SHRED value of zero or CACHE = NO.

**ANR2589E**  
Backupset backup set name for node node name (data type data type) is in use and cannot be deleted.

**Explanation:** The server attempted to delete the backup set, but the operation could not be completed, because the backup set was in use by another process.

**System action:** The server does not process the command.

**User response:** Reissue the command at a later time.
ANR2590E  Command failed - SET DBRECOVERY command has not been issued.

Explanation:  Backup DB command failed because a SET DBRECOVERY command has not been issued to define the device class used for automatic DB backup.

System action:  The server does not process the command.

User response:  Issue the SET DBRECOVERY command to define the device class for automatic DB backup operation.

ANR2591I  Directory directory name is already defined in the database space.

Explanation:  This directory is already in the database space.

System action:  The command terminates.

User response:  Issue the command again, specifying a directory that is not defined in the server database space.

ANR2592I  Directory(ies) directory list has been defined in the database space.

Explanation:  Command ‘EXTEND DBSPACE’ successfully added new directory(ies) dir list into the server database space.

System action:

User response:

ANR2593E  Command Storage pool storage pool name exists but does not match the storage-pool type that the server is attempting to process with the command.

Explanation:  The storage pool specified does not match the type being processed with the command.

System action:  The server does not process the command.

User response:  Retry the command with a valid storage pool type specified.

ANR2594I  LDAP user name set to LDAP user name.

Explanation:  The LDAP user distinguished name that the server uses to authenticate with the LDAP server has been set to the value indicated with the SET LDAPUSER command.

System action:  None.

User response:  The SET LDAPPASSWORD command is required to provide the password that correlates to the LDAPUSER just set. This is required for communication with the LDAP server specified in the LDAPURL option.

ANR2595I  Directory directory name is already in the list to add to database space.

Explanation:  While processing the command argument list, a duplicate path name has been encountered.

System action:  The command terminates.

User response:  Issue the command again, specifying a directory that is not in the argument list.

ANR2596E  There is insufficient authority to create the database files.

Explanation:  The database manager, running under the user ID for the Tivoli Storage Manager instance, does not have the authority to create files in one or more of the database directories.

System action:  The server process ends.

User response:  Ensure that the user ID for the Tivoli Storage Manager instance has write permission to all database directories. No matter which user ID is running the dmserv process, the database files are written by the database manager. The permissions on these database directories must allow write access from the database manager user ID. Change the ownership of the database directories to the user ID for the Tivoli Storage Manager instance.

ANR2597W  Node node name in domain domain name began schedule schedule name at actual start and is schedule state. The period expired at expiration time.

Explanation:  This message is displayed when a node started a schedule, the period for the schedule expired, and the node has not reported results for the schedule. Possible causes are:

• processing for the action is taking longer than the schedule period
• a problem occurred while the node was performing the scheduled action
• the node completed the scheduled action but did not report the results to the server

System action:  Server operation continues. The results of the scheduled operation are unknown.

User response:  Administrators should consult the server activity log and the client scheduler log, then take corrective action if needed.
ANR2598W  Administrative command schedule name started processing at actual start and is schedule state. The period expired at expiration time.

Explanation: This message is displayed when an administrative command schedule has started, the period for the schedule expired, and the results for the schedule have not been reported. Possible causes are:

- processing for the action is taking longer than the scheduled period
- a problem occurred while performing the scheduled action
- a problem occurred reporting the schedule results

System action: Server operation continues. The results of the scheduled operation are unknown.

User response: Administrators should consult the server activity log, then take corrective action if needed.

ANR2599W  The central scheduler is unable to obtain a required lock and will retry in number of seconds seconds.

Explanation: The server temporarily suspends central scheduler processing because a required lock is not available.

System action: Server operation continues; the scheduler operation will be retried after the specified delay.

User response: The server workload is high. If this condition persists, you may need to consider adjusting the server workload.

ANR2600E  Command: Invalid schedule name - schedule name.

Explanation: The specified command has been issued with an invalid schedule name.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid schedule name.

ANR2601E  Command: Schedule description exceeds maximum length characters.

Explanation: The specified command has been issued with a description that exceeds the maximum length.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid description.

ANR2602E  Command: Invalid action - action.

Explanation: The specified command has been issued with an invalid action.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid action.

ANR2603E  Command: Options string exceeds maximum length characters.

Explanation: The specified command has been issued with an options string that exceeds the maximum length.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid options string.

ANR2604E  Command: Objects string exceeds maximum length characters.

Explanation: The specified command has been issued with an objects string that exceeds the maximum length.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid objects string.

ANR2605E  Command: Invalid priority - priority.

Explanation: The specified command has been issued with an invalid priority.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid priority.

ANR2606E  Command: Invalid start date - date.

Explanation: The specified command has been issued with an invalid start date.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid start date.

ANR2607E  Command: Invalid start time - time.

Explanation: The specified command has been issued with an invalid start time.

System action: Server operation continues, but the command is not processed.
ANR2608E  Command: Invalid duration - duration.

Explanation: The specified command has been issued with an invalid duration.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid duration.

ANR2609E  Command: Invalid duration units - duration units.

Explanation: The specified command has been issued with an invalid value for duration units.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid value for duration units.

ANR2610E  Command: Invalid period - period.

Explanation: The specified command has been issued with an invalid period.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid period.

ANR2611E  Command: Invalid period units - period units.

Explanation: The specified command has been issued with an invalid value for period units.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid value for period units.

ANR2612E  Command: Invalid day of week - day of week.

Explanation: The specified command has been issued with an invalid value for day of the week.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid value for day of the week.

ANR2613E  Command: Invalid expiration - date.

Explanation: The specified command has been issued with an invalid expiration date.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid expiration date.

ANR2614E  Command: Invalid combination of the following parameters: duration, duration units, period, period units.

Explanation: The specified command has been issued with an invalid combination of the DURATION, DURUNITS, PERIOD, and PERUNITS parameters. This message may be displayed if the duration of the startup window for the schedule is not shorter than the period between windows. This message may also be displayed if DURUNITS=INDefinite is specified, but PERUNITS=Onetime is not specified.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid combination of parameters.

ANR2615E  Command: Expiration date date has elapsed.

Explanation: The specified command has been issued with an elapsed expiration date date.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify an expiration date that has not already elapsed.

ANR2616E  Command: Start date start date must be earlier than expiration date expiration.

Explanation: The specified command has been issued with a start date that is not earlier than the expiration date.

System action: Server operation continues, but the command is not processed.

User response: Issue the command using a schedule start date that is earlier than the expiration date.

ANR2617E  Command: Schedule schedule name is not defined in policy domain domain name.

Explanation: The specified command has been issued with a schedule name that has not been defined in the indicated policy domain.

System action: Server operation continues, but the command is not processed.
User response: Issue the command using a schedule that has already been defined for this domain.

**ANR2618E**  
*Command: Schedule schedule name is already defined in policy domain domain name.*

Explanation: The specified command has been issued with a schedule name that has already been defined for the indicated policy domain.

System action: Server operation continues, but the command is not processed.

User response: Issue the command using a schedule that has not already been defined for this domain.

**ANR2619E**  
*Command: Currently defined period period is invalid with updated period units.*

Explanation: The specified command has been issued with a value for period units that is not allowed with the existing period.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a new period.

**ANR2620E**  
*Command: Currently defined duration duration is invalid with updated duration units.*

Explanation: The specified command has been issued with a value for duration units that is not allowed with the existing duration.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a new duration.

**ANR2621E**  
*Command: No matching schedules.*

Explanation: The specified command has been issued but no matching schedules have been found.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify different schedules.

**ANR2622E**  
*Command: No new node associations added.*

Explanation: The specified command has been issued but no new node associations are defined.

System action: Server operation continues, but the command has no effect.

**ANR2623E**  
*Command: No node associations deleted.*

Explanation: The specified command has been issued but no node associations are deleted.

System action: Server operation continues, but the command has no effect.

User response: Issue the command and specify different nodes.

**ANR2624E**  
*Command: No matching nodes registered.*

Explanation: No matching nodes are found for the specified command.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify different nodes.

**ANR2625E**  
*Command: No matching nodes registered in policy domain domain name.*

Explanation: The specified command has been issued, but no matching nodes are registered in the indicated policy domain.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify different nodes.

**ANR2626E**  
*Command: Invalid value for replace - replace.*

Explanation: The specified command has been issued with an invalid value for replace.

System action: Server operation continues, but the command is not processed.

User response: Issue the command using a valid value for replace.

**ANR2627E**  
*Command: Invalid value for format - format.*

Explanation: The specified command has been issued with an invalid value for format.

System action: Server operation continues, but the command is not processed.

User response: Issue the command using a valid value for format.
ANR2628E  Command: Invalid date - date.
Explanation: The specified command has been issued with an invalid date.
System action: Server operation continues, but the command is not processed.
User response: Issue the command with a valid date.

ANR2629E  Command: Invalid time - time.
Explanation: The specified command has been issued with an invalid time.
System action: Server operation continues, but the command is not processed.
User response: Issue the command with a valid time.

ANR2630E  Command: Event deletion is already in process.
Explanation: The specified command has been issued while event deletion is already in progress.
System action: Server operation continues, but the command is not processed.
User response: Wait for event deletion to complete before issuing the command.

ANR2631E  Command: Invalid begin date - date.
Explanation: The specified command has been issued with an invalid begin date.
System action: Server operation continues, but the command is not processed.
User response: Issue the command with a valid begin date.

ANR2632E  Command: Invalid begin time - date.
Explanation: The specified command has been issued with an invalid begin time.
System action: Server operation continues, but the command is not processed.
User response: Issue the command with a valid begin time.

ANR2633E  Command: Invalid end date - date.
Explanation: The specified command has been issued with an invalid end date.
System action: Server operation continues, but the command is not processed.
User response: Issue the command with a valid end date.

ANR2634E  Command: Invalid end time - time.
Explanation: The specified command has been issued with an invalid end time.
System action: Server operation continues, but the command is not processed.
User response: Issue the command with a valid end time.

ANR2635E  Command: Invalid time range - Begin: begin End: end.
Explanation: The specified command has been issued with an invalid time range. This occurs if the date and time for the beginning of the time range (begin) do not precede the date and time for the end of the time range (end).
System action: Server operation continues, but the command is not processed.
User response: Issue the command with a valid time range.

ANR2636E  Command: Invalid value for exceptions only - exceptions only.
Explanation: The specified command has been issued with an invalid value for exceptions only.
System action: Server operation continues, but the command is not processed.
User response: Issue the command with a valid value for exceptions only.

ANR2637E  There is insufficient authority to create the recovery log files.
Explanation: The database manager, running under the user ID for the Tivoli Storage Manager instance, does not have the authority to create files in one or more of the log directories.
System action: The server process ends.
User response: Ensure that the user ID for the Tivoli Storage Manager instance has write permission to all active, mirror, archive, and failover archive log directories. No matter which user ID is running the dsm serv process, the recovery log files are written by the database manager. The permissions on these log directories must allow write access from the database manager user ID. Change the ownership of the recovery log directories to the user ID for the Tivoli Storage Manager instance.
ANR2638W This command will delete all user data and log files, as well as any backup/restore history for the TSM server database. Are you sure you want your database and all of its references removed (y or n)?

Explanation: A REMOVEDB command has been entered.

System action: The administrator is asked whether to continue.

User response: Enter 'y' to remove the database or 'n' to leave the server database.

ANR2639E Command failed - no files have been defined for storing sequential volume history information.

Explanation: Sequential volume history information is required to restore the server data base. Because no files were configured for receiving this information, the operation fails.

System action: Server operation continues.

User response: To have the server automatically record sequential volume history information to assist in server recovery, use the VOLUMEHISTORY option in the server options file to specify where history information should be written. If you update the options file, restart the server.

ANR2640E Command: Invalid percentage of sessions for scheduled processing - value.

Explanation: The specified command has been issued with an invalid value.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid value.

ANR2641E Command: Invalid event record retention period - value.

Explanation: The specified command has been issued with an invalid value.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid value.

ANR2642E Command: Invalid percentage for randomization - value.

Explanation: The specified command has been issued with an invalid value.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid value.

ANR2643E Command: Invalid schedule query period - value.

Explanation: The specified command has been issued with an invalid value.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid value.

ANR2644E Command: Invalid maximum number of command retries - value.

Explanation: The specified command has been issued with an invalid value.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid value.

ANR2645E Command: Invalid retry period - value.

Explanation: The specified command has been issued with an invalid value.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid value.

ANR2646E Command: Invalid scheduling mode - value.

Explanation: The specified command has been issued with an invalid value.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid value.

ANR2647E Command: Invalid type - type.

Explanation: The specified command has been issued with an invalid type.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid type.

ANR2648E Command: Type string exceeds maximum length characters.

Explanation: The specified command has been issued with a type string that exceeds the maximum length.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid type string.
ANR2649E  Command: Schedule schedule name is not defined.

Explanation: The specified command has been issued with a schedule name that has not been defined.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a schedule that has already been defined.

ANR2650E  Command: Schedule schedule name is already defined.

Explanation: The specified command has been issued with a schedule name that has already been defined.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a schedule name that has not already been defined.

ANR2651E  Command: Invalid combination of one or more of the following parameters: cmd, type, action, objects, options.

Explanation: The specified command has been issued with an invalid combination of the CMD, ACTION, OBJECTS, and OPTIONS parameters. This message is displayed when the CMD parameter is specified and TYPE=CLIENT is not specified, or when TYPE=ADMIN is specified, and one or more of the following is specified: ACTION, OBJECTS, or OPTIONS.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid combination of parameters.

ANR2652E  Command: Invalid combination of one or more of the following parameters: active, cmd, type.

Explanation: The specified command has been issued with an invalid combination of the TYPE, CMD, or ACTIVE parameters. This message is displayed when TYPE=CLIENT is specified and one or more of the following is specified: ACTIVE, CMD.

System action: Server operation continues, but the command is not processed.

User response: Issue the command with a valid combination of parameters.

ANR2653W  Command: Node node name cannot be processed because it is not registered or does not belong to the specified domain.

Explanation: This command cannot be processed for the indicated node. Either the node is not registered or it is not assigned to the required domain.

System action: The indicated node is not processed, but other nodes may be processed if specified by this command.

User response: If the node name was entered incorrectly, reissue the command with the correct node name.

ANR2654E  Command: The NODES parameter cannot be used when querying administrative schedules.

Explanation: A QUERY SCHEDULE command has been issued with TYPE=ADMINISTRATIVE and the NODES parameter both specified. The NODES parameter cannot be specified when querying administrative schedules.

System action: Server operation continues, but the command is not processed.

User response: Issue the command without the NODES parameter.

ANR2655E  Command: Invalid client action schedule duration - days.

Explanation: The specified command has been issued with an invalid number of days. Valid values are 1 to 9999 inclusive. days specifies the length of time during which a schedule defined by the DEFine CLIENTAction command must be executed by an associated node. After that, the schedule will be deleted from the database.

System action: Server operation continues, but the command is not processed.

User response: Reissue the command with a valid number of days.

ANR2656E  Command: Invalid schedule style schedStyle.

Explanation: The specified command has been issued with an invalid schedule style.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid schedule style.
ANR2657E  Command: Invalid month month.

Explanation: The specified command has been issued with an invalid month.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid month.

ANR2658E  Command: Invalid day of month month.

Explanation: The specified command has been issued with an invalid day of month.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid day of month.

ANR2659E  Command: Invalid week of month month.

Explanation: The specified command has been issued with an invalid week of month.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid week of month.

ANR2660E  Command: Invalid combination of enhanced schedule parameters or their values: parm1 and parm2.

Explanation: The specified command has been issued with an invalid combination of the DAYOFMONTH, WEEKOFMONTH, and DAYOFWEEK parameters. WEEKOFMONTH and DAYOFWEEK cannot be specified with DAYOFMONTH. WEEKEND or WEEKDAY must be specified with the FIRST or LAST week of month.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and specify a valid combination of parameters.

ANR2661E  Command: Invalid combination of enhanced schedule parameters or their values, parm1 and parm2, found for schedule name.

Explanation: The specified update command has been issued with either an invalid combination of parameters or their values, or a specified parameter or value is not compatible with an option that is not being updated for the existing schedule. WEEKOFMONTH and DAYOFWEEK must not be specified with DAYOFMONTH. WEEKEND or WEEKDAY must be specified with the FIRST or LAST week of month.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and with parameters valid for the schedule style.

ANR2662I (*) "Query schedule format=standard" displays an asterisk in the day of week column for enhanced schedules. The period column is blank. Issue "query schedule format=detailed" to display complete information about an enhanced schedule.

Explanation: This message explains the standard display for an enhanced schedule.

System action: Server operation continues.

User response: Issue "query schedule format=detailed" to display information about an enhanced schedule.

ANR2663I  Command: resetting existing options options for schedule name to default values.

Explanation: The update schedule command has reset existing options for the schedule to default values. The change is required by the parameters specified with the update or audit commands.

System action: Server operation continues.

User response: None.

ANR2664E  Command: Invalid parameter parm for schedule style schedule style.

Explanation: A specified parameter is not valid for the schedule style.

System action: Server operation continues, but the command is not processed.

User response: Issue the command and with parameters valid for the schedule style.
ANR2665W Command: Invalid month and day, month day, detected.

Explanation: The specified command has been issued with an invalid combination of MONTH and DAYOFMONTH. If one month and one day were specified in the command, the command will fail. If there is at least one valid month and day combination, the schedule will be defined and run on the valid dates. The schedule will skip the invalid month and day combinations.

System action: Server operation continues.
User response: Determine the correct day and month combinations. If the command failed, issue the define command again. If the schedule was defined, use the update command to change the month and day values.

ANR2666W Command: Invalid month and day, month day, detected for schedule name.

Explanation: The specified update command has been issued with either an invalid combination of MONTH and DAYOFMONTH, or a specified MONTH or DAYOFMONTH value is incompatible with a MONTH or DAYOFMONTH value that is not being updated for the existing schedule. If there is just one month and one day combination and that combination is invalid, the command will fail. If there is at least one valid month and day combination, the schedule will be updated and run on the valid dates. The schedule will skip the invalid month and day combinations.

System action: Server operation continues.
User response: To see the options for the existing schedule, issue "q sched f=d" for the client or administrative schedule. Determine the correct day and month combinations. If the the command failed, issue the update command again.

ANR2667W Audit volume process has skipped volume volume name due to an error.

Explanation: During processing of an AUDIT VOLUME command for the volume shown, an unrecoverable error occurred on the volume.

System action: The AUDIT VOLUME command has skipped the volume shown.
User response: Examine messages that were previously issued that explain the cause of the failure and correct the error if possible. Once the error has been corrected, reissue the command.

ANR2668I The deduplication-verification level is set to &arg1:percent.

Explanation: This message is displayed when the server command SET DEDUPVERIFICATIONLEVEL is issued. Setting the deduplication-verification level helps ensure that the client is not making a security attack against the server.

System action: Server operation continues.
User response: None.

ANR2669E The specified deduplication-verification level is invalid.

System action: Server operation continues.
User response: Specify a value 0 - 100 for this command.

ANR2670E Export command: Invalid value for SCHEDSTYLE parameter detected while exporting schedule schedule name in domain domain name - default or existing value is used during import.

Explanation: During processing of command export command, an invalid value is encountered for the SCHEDSTYLE parameter for schedule schedule name in domain domain name.

System action: Export processing continues, but the exported data contains an unknown SCHEDSTYLE value for this schedule. If this data is imported, the default or existing SCHEDSTYLE value is used.

User response: Update the SCHEDSTYLE value for this schedule and restart the export command. Alternatively, use the export data with the unknown value, and check and update the SCHEDSTYLE value after import processing has been performed.

ANR2671E Export command: Invalid value for SCHEDSTYLE parameter detected while exporting administrative schedule schedule name - default or existing value is used during import.

Explanation: During processing of command export command, an invalid value is encountered for the SCHEDSTYLE parameter for administrative schedule schedule name.

System action: Export processing continues, but the exported data contains an unknown SCHEDSTYLE value for this schedule. If this data is imported, the server uses the default or existing SCHEDSTYLE value.

User response: Update the SCHEDSTYLE value for this schedule and restart the export command. Alternatively, the export data with the unknown value can be used, and the SCHEDSTYLE value can be checked and updated after import processing has been performed.
ANR2672E  Import command: Invalid value for SCHEDSTYLE parameter in exported data for schedule schedule name in domain domain name.

Explanation: During preview processing of command import command, an invalid value is encountered for the SCHEDSTYLE parameter for schedule schedule name in policy domain domain name.

System action: Processing of the command continues. If a later command causes the data to be imported, the default or existing SCHEDSTYLE value is used.

User response: If the data is imported with a later command, verify that the correct SCHEDSTYLE value is used for this schedule.

ANR2673E  Import command: Invalid value for SCHEDSTYLE parameter in exported data - schedule schedule name in domain domain name defined with default SCHEDSTYLE value.

Explanation: During processing of command import command, an invalid value is encountered for the SCHEDSTYLE parameter for schedule schedule name in policy domain domain name.

System action: Processing of the command continues, by using the default SCHEDSTYLE value for this schedule.

User response: Verify that the correct SCHEDSTYLE value has been used for this schedule. Update this value, if necessary.

ANR2674E  Import command: Invalid value for SCHEDSTYLE parameter in exported data - existing SCHEDSTYLE value for schedule schedule name in domain domain name was not updated.

Explanation: During processing of command import command, an invalid value is encountered for the SCHEDSTYLE parameter for schedule schedule name in policy domain domain name.

System action: Processing of the command continues, by using the existing SCHEDSTYLE value for this schedule.

User response: Verify that the correct SCHEDSTYLE value has been used for this schedule. Update this value, if necessary.

ANR2675E  Import command: Invalid value for SCHEDSTYLE parameter in exported data for administrative schedule schedule name.

Explanation: During preview processing of command import command, an invalid value is encountered for the

ANR2676E  Import command: Invalid value for SCHEDSTYLE parameter in exported data - administrative schedule schedule name defined with default SCHEDSTYLE value.

Explanation: During processing of command import command, an invalid value is encountered for the SCHEDSTYLE parameter for administrative schedule schedule name.

System action: Processing of the command continues, by using the default SCHEDSTYLE value for this schedule.

User response: Verify that the correct SCHEDSTYLE value has been used for this schedule. Update this value, if necessary.

ANR2677E  Import command: Invalid value for SCHEDSTYLE parameter in exported data - existing SCHEDSTYLE value for administrative schedule schedule name was not updated.

Explanation: During processing of command import command, an invalid value is encountered for the SCHEDSTYLE parameter for administrative schedule schedule name.

System action: Processing of the command continues, by using the existing SCHEDSTYLE value for this schedule.

User response: Verify that the correct SCHEDSTYLE value has been used for this schedule. Update this value, if necessary.

ANR2678E  Server database format failed.

Explanation: A failure occurred during the format of the TSM server database. This occurred during the processing of a ‘DSMSERV FORMAT’ command.

System action: Server format processing terminates.

User response: Review error messages to determine the cause of the failure and retry the ‘DSMSERV FORMAT’ once the issue has been resolved.
ANR2679E  Command: All of the nodes provided are invalid.
Explanation: While verifying the parameters of the specified command, no valid node was found.
System action: The server ends the command.
User response: Verify that the nodes specified are correct and all are registered. Then, reissue the command.

ANR2680E  Command: You cannot specify TOC=YES when TYPE is SNAPMIRROR.
Explanation: A SnapMirror backup was attempted while specifying TOC=YES. Network Appliance SnapMirror backups do not support TOC creation.
System action: The server ends the command.
User response: Reissue the command without specifying TOC=YES.

ANR2681E  Command: The file server movername does not support SnapMirror-to-Tape operations or is not running NDMP Version 4.
Explanation: A SnapMirror backup was specified with a NAS device that does not Network Appliance SnapMirror backup operations.
System action: The server ends the command.
User response: Reissue the command by specifying a standard NDMP full or differential backup.

ANR2682E  Command: You cannot specify MODE=DIFF when TYPE is SNAPMIRROR.
Explanation: A SnapMirror backup was attempted while specifying MODE=DIFF. Network Appliance SnapMirror backups may only be full image backups.
System action: The server ends the command.
User response: Reissue the command and do not specify MODE=DIFF with TYPE=SNAPMIRROR.

ANR2683E  Command: A Table of Contents will not be created for a SnapMirror backup.
Explanation: A Netapp SnapMirror backup was requested and the TOC parameter is set to PREFERRED. The backup will continue, however no Table of Contents will be created.
System action: The server operation continues.
User response: None.

ANR2684E  Command: SnapMirror operations are not supported on NAS virtual filesystem definitions.
Explanation: A SnapMirror backup or restore was attempted on a NAS virtual filesystem. Network Appliance SnapMirror backups do not support directory level backup, therefore a virtual filesystem may not used with TYPE=SNAPMIRROR.
System action: The server ends the command.
User response: Reissue the command by specifying TYPE=DUMPIMAGE.

ANR2685I  SnapMirror backup of NAS node nodename, file system filesystem, started as process process ID by administrator administrator.
Explanation: A SnapMirror backup is started for the indicated file system of a NAS node. The operation is initiated by the administrator shown.
System action: The indicated process is started.
User response: None.

ANR2686I  SnapMirror Restore of NAS node nodename, file system filesystem, started as process process ID by administrator administrator. A full image for this file system will be restored to destination destination.
Explanation: A SnapMirror restore is started for the indicated file system of a NAS node. The operation is initiated by the administrator shown. The restore will be performed using a full image of this file system. The file system will be restored to the indicated destination.
System action: The indicated process is started.
User response: None.

ANR2687E  Command: You cannot specify a FILELIST when TYPE is SNAPMIRROR.
Explanation: A file level restore was attempted from a SnapMirror backup. Network Appliance SnapMirror backups do not support file level restore.
System action: The server ends the command.
User response: Reissue the command without the FILELIST parameter.

ANR2688E  Command: The SnapMirror Restore of NAS node nodename, file system filesystem, cannot be started. The destination file system destination is not set to "Restricted" on the NAS device.
| ANR2689W | Command: The dataformat of the datamover data mover is incompatible with the NAS device with host identifier hostId. |
|--------------------------|
| **Explanation:** | While verifying the parameters of the specified command, no valid node was found. |
| **System action:** | The server ends the command. |
| **User response:** | Verify that the nodes specified are correct and all are registered. Then, reissue the command. |

| ANR2690E | Command: The file system file system is in restricted state and cannot be used in an NDMP backup or restore operation. |
|--------------------------|
| **Explanation:** | A NAS file system that is in the restricted state was specified for an NDMP backup or restore operation. You cannot perform an NDMP backup or restore of a file system in the restricted state. |
| **System action:** | The server ends the command. |
| **User response:** | Refer to your NAS device's documentation on how to unrestrict the file system. Then, reissue the command. |

| ANR2691E | Command: All of the nodes provided are invalid. |
|--------------------------|
| **Explanation:** | While verifying the parameters of the specified command, no valid node was found. |
| **System action:** | The server ends the command. |
| **User response:** | Verify that the nodes specified are correct and all are registered. Then, reissue the command. |

| ANR2692E | Command: Invalid subaction - action. |
|--------------------------|
| **Explanation:** | The specified command has been issued with an invalid subaction. |
| **System action:** | Server operation continues, but the command is not processed. |
| **User response:** | Issue the command and specify a valid subaction. |

| ANR2693E | Command: Invalid action and subaction combination. |
|--------------------------|
| **Explanation:** | The specified command has been issued with an invalid combination of action and subaction values. |
| **System action:** | Server operation continues, but the command is not processed. |
| **User response:** | Issue the command and specify a valid subaction. |

| ANR2694E | Command: Action must be specified with subaction. |
|--------------------------|
| **Explanation:** | The specified command has been issued with a subaction and no action value. |
| **System action:** | Server operation continues, but the command is not processed. |
| **User response:** | Issue the command and specify a valid subaction. |

| ANR2695E | The deduplication mode for node node name was set to SERVERONLY. |
|--------------------------|
| **Explanation:** | The server detected a potential security attack and disabled client-side deduplication. |
| **System action:** | Server and client operations continue. |
| **User response:** | Verify that the client workstation does not have any applications that are attempting a security attack on the server. If the client is secure, re-enable client-side deduplication on the node by issuing the server command UPDATE NODE with the DEDUPLICATION=CLIENTORSERVER parameter. |

| ANR2696E | Export command: Invalid value for SUBACTION parameter detected while exporting schedule schedule name in domain domain name - default or existing value is used during import. |
|--------------------------|
| **Explanation:** | During processing of command export command, an invalid value is encountered for the ACTION parameter for schedule schedule name in domain domain name. |
| **System action:** | Export processing continues, but the exported data will contain an unknown SUBACTION value for this schedule. If this data is imported, the default or existing SUBACTION value is used. |
| **User response:** | Update the SUBACTION value for this schedule and restart the export command. Alternatively, use the export data with the unknown value, and check and update the SUBACTION value after import processing has been performed. |
ANR2697E  Import command: Invalid value for SUBACTION parameter in exported data - schedule schedule name in domain domain name defined with default SUBACTION value.

Explanation: During processing of command import command, an invalid value is encountered for the SUBACTION parameter for schedule schedule name in policy domain domain name.

System action: Processing of the command continues, by using the default SUBACTION value for this schedule.

User response: Verify that the correct SUBACTION value has been used for this schedule. Update this value, if necessary.

ANR2698E  Import command: Invalid value for SUBACTION parameter in exported data - existing SUBACTION value for schedule schedule name in domain domain name was not updated.

Explanation: During processing of command import command, an invalid value is encountered for the SUBACTION parameter for schedule schedule name in policy domain domain name.

System action: Processing of the command continues, by using the existing SUBACTION value for this schedule.

User response: Verify that the correct SUBACTION value has been used for this schedule. Update this value, if necessary.

ANR2699E  Import command: Invalid value for SUBACTION parameter in exported data for schedule schedule name in domain domain name.

Explanation: During preview processing of command import command, an invalid value is encountered for the SUBACTION parameter for schedule schedule name in policy domain domain name.

System action: Processing of the command continues. If a later command causes the data to be imported, the default or existing SUBACTION value is used.

User response: If the data is imported with a later command, verify that the correct SUBACTION value is used for this schedule.

ANR2700E  Schedule manager aborted.

Explanation: The schedule manager has ended because of an error condition and is not able to maintain entries for scheduled operations.

System action: Server operation continues, but the central scheduler is not operational.

User response: To determine the source of the error, examine server messages issued prior to this message. Issue the QUERY ACTLOG command to view the activity log and search for messages. After the error has been resolved, restart the server to restore central scheduler operations. If the error cannot be isolated and resolved, contact your service representative.

ANR2701E  The schedule prompter could not be started: diagcode.

Explanation: The schedule prompter cannot be started during initialization because sufficient memory is not available. Diagnostic code diagcode is issued.

System action: Initialization fails.

User response: See the documentation for the operating system about how to increase memory for an application.

ANR2702E  The schedule prompter could not be started: diagcode.

Explanation: The schedule prompter cannot be started during initialization because sufficient memory is not available. Diagnostic code diagcode is issued.

System action: Initialization fails.

User response: See the documentation for the operating system about how to increase memory for an application.

ANR2703E  Schedule prompter aborted.

Explanation: The schedule prompter ends because of a processing error.

System action: Server operation continues, but prompted scheduling is not operational.

User response: To determine the source of the error, examine server messages issued prior to this message. Issue the QUERY ACTLOG command to view the activity log and search for messages. After the error has been resolved, restart the server to restore central scheduler prompting operations. If the error cannot be isolated and resolved, contact your service representative.

ANR2707E  Out of server log space in central scheduler.

Explanation: The server ends a database update transaction for the central scheduler because sufficient log space is not available on the server.

System action: Server operation continues, but the database update fails.

User response: An authorized administrator can use the DEFINE LOGVOLUME command to add volumes for use by the log and can issue the EXTEND LOG
command to extend the size of the log so that the new volumes are used.

ANR2708E Out of server database space in central scheduler.

Explanation: The server ends a database update transaction for the central scheduler because sufficient database space is not available on the server.

System action: Server operation continues, but the database update fails.

User response: An authorized administrator can use the DEFINE DBVOLUME command to add volumes for use by the database and can use the EXTEND DB command to extend the size of the database so that the new volumes are used.

ANR2709E Schedule manager: Unable to start event record deletion.

Explanation: Event record deletion cannot be started because sufficient memory is not available.

System action: Server operation continues, but event records are not automatically deleted after their retention period has elapsed.

User response: See the documentation for the operating system about how to increase memory for an application.

ANR2712E Node node1 requested scheduling information for node node2 - session rejected.

Explanation: A request for pending scheduled operations has been sent from the client scheduler for node node1. However, the request is for scheduling information concerning another node node2.

System action: Server operation continues, but the client scheduler for node node1 will not be able to process pending operations.

User response: Try restarting the client scheduler for node node1. If the problem persists, contact your service representative to resolve the client program error.

ANR2713E Node node1 trying to start scheduled operation for node node2 - session rejected.

Explanation: The client scheduler for node node1 has attempted to execute a scheduled operation for another node, node2.

System action: Server operation continues, but the scheduled operation is not processed.

User response: Try restarting the client scheduler for node node1. If the problem persists, contact your service representative to resolve client program error.

ANR2714E Node node1 trying to report scheduled operation results for node node2 - session rejected.

Explanation: The client scheduler for node node1 has attempted to report the results of a scheduled operation using another node name, node2.

System action: Server operation continues, but the results that were sent from node node1 are not be stored in the server’s database.

User response: Try restarting the client scheduler for node node1. If the problem persists, contact your service representative to resolve the client program error.

ANR2715E Client node node id unable to register valid address for server prompting: type address type (high address low address).

Explanation: The client scheduler for node node id has attempted to register an invalid address for server-prompted central scheduling. The address was type address type with high-level field high address and low-level field low address. The only valid address type is 1.

System action: Server operation continues, but the node node id will not be prompted to perform scheduled operations.

User response: Verify that the address type and address are correct for this client. The only valid address type is 1 (for TCP/IP). Make sure the client scheduler is not using an invalid address obtained from the client’s options file or from the command line when the client scheduler was started.

ANR2716E Schedule prompter was not able to contact client node name using type address type (high address low address).

Explanation: The server has attempted to prompt the client scheduler for node node name because a scheduled operation should be started. The server is unable to contact the client by using address type address type, with high-level field high address and low-level field low address.

System action: Server operation continues, but node node name is not prompted to start the scheduled operation. If operations should be started for other nodes, the server will attempt to prompt the client schedulers for these nodes. This error is usually caused by network outages or the client scheduler program not being run on the client node.

User response: Verify that the address type and address are correct for this client. The only valid address type is 1 (for TCP/IP). Make sure that the client scheduler is not using an invalid address, obtained at the time the client scheduler was started, from either the client’s options file or from the command line. Verify that the client scheduler for node
node name is running and that the necessary communication links to that scheduler are operational. Firewalls must allow traffic from the server to the client and from the client to the server without the session timing out. Ensure that the DNS configuration is correct.

**ANR2717E** Schedule prompter cannot contact client node name using address type (address type).

**Explanation:** The server attempts to prompt the client scheduler for node node name because scheduled work should be started. However, either the server does not support address type address type needed for server-prompted scheduling, or the communication method is not currently available. The only valid address type is 1 (for TCP/IP).

**System action:** Server operation continues, but the server does not prompt node node name.

**User response:** If the server does not support the address type specified, clients may only use the polling mode of scheduling. If the communication method is temporarily not available, prompted mode scheduling will resume after the communication problem is fixed and service restored. If the problem persists, contact your service representative.

**ANR2718W** Schedule manager disabled.

**Explanation:** The schedule manager has been disabled because the DISABLESCHEDS YES option was specified in the server options file.

**System action:** Server operation continues, but the central scheduler is not operational.

**User response:** To enable the schedule manager, specify DISABLESCHEDS NO in the server options file and restart the server.

**ANR2719E** Command: Invalid parameter parm for ACTION=DEPLOY.

**Explanation:** A parameter that is specified is not valid for ACTION=DEPLOY.

**System action:** Server operations will continue, but the command is not processed.

**User response:** Reissue the command with valid ACTION=DEPLOY parameters.

**ANR2720E** Command: Node node name is currently being replicated.

**Explanation:** The command shown specifies a node that is currently being replicated to another server.

**System action:** The server does not process the command.

**ANR2721E** A non-replication SSL session to address address is requested.

**Explanation:** A non-replication SSL session to the indicated address was attempted. Server-to-server SSL sessions are supported for replication only.

**System action:** The server does not start the session.

**User response:** If you want to configure the same target server for both SSL and non-SSL communications, you can configure multiple server definitions when you issue the DEFINE SERVER command. You can have multiple server definitions with the same target address if the server names are not the same.

**ANR2722I** The server now accepts sessions that originate from server server name.

**Explanation:** The server can now accept sessions from the named server.

**System action:** None.

**User response:** None.

**ANR2723I** The server is enabled to have outbound sessions to server server name.

**Explanation:** The server now allows sessions targeted to the named server.

**System action:** None.

**User response:** None.

**ANR2724I** The server does not accept sessions from server server name.

**Explanation:** The server rejects sessions from the named server.

**System action:** None.

**User response:** None.

**ANR2725I** The server is disabled for sessions with server server name.

**Explanation:** The server cannot initiate sessions to the named server.

**System action:** None.

**User response:** None.
ANR2726E  *Command: None of the specified nodes are configured for replication or they are part of an active replication process.*

**Explanation:** The replication command did not start because data belonging to the specified nodes was being replicated, or because the nodes are not configured for replication.

**System action:** The server ends the command.

**User response:** Verify that the specified nodes are correct and that they are configured for replication. Verify that the nodes are not part of an active replication process. A node is configured for replication if the replication state is ENABLED or DISABLED. To determine the replication state of a node, issue the QUERY NODE FORMAT=DETAILED command. To configure nodes for replication, issue the UPDATE NODE command. After the situation has been corrected, reissue the REPLICATE NODE command.

ANR2727E  *Command: Node node name is currently accessing server server name.*

**Explanation:** The command shown specifies a node that has an active session with the specified server.

**System action:** The local server does not process the command.

**User response:** Reissue the command at a later time, or if necessary, cancel the current session and reissue the command.

ANR2728E  *Command: Node node name cannot be replicated because it is not in the SEND or SYNCSEND mode.*

**Explanation:** The replication mode of a specified node is RECEIVE or SYNCRECEIVE. To replicate, the replication mode must be SEND or SYNCSEND.

**System action:** The server processes the command. However the specified node is is skipped for this operation.

**User response:** Verify that all of the nodes to be replicated are in SEND or SYNCSEND mode. Reissue the command, or, if necessary, cancel the replication process and reissue the command.

ANR2729W  *This command will register the node to new domain domainname. Changing the domain will cause the node to be disassociated from the schedule of original domain.*

**Explanation:** The schedule belongs to the domain. The node will be disassociated from the schedule if the node is registered to new domain.

**System action:** Tivoli Storage Manager prompts the user to continue.

User response: Enter 'Y' to change the domain. Enter 'N' if you do not want to change the domain.

ANR2730I  *Default authentication set to defaultAuth.*

**Explanation:** This message is displayed in response to the Set DEFAULTAUTHentication command. It indicates the current default AUTHENTICATION value for the REGISTER NODE and REGISTER ADMIN commands.

**System action:** None.

**User response:** None.

ANR2731E  *An invalid command was issued: issued command. The command prerequisite command must be issued first.*

**Explanation:** The specified server command was issued prior to another required command.

**System action:** The server ignores the command.

**User response:** Issue the required command and then reissue the command that caused the error.

ANR2732E  *Unable to communicate with the external LDAP directory server.*

**Explanation:** The server tried to communicate with the external LDAP directory server but was unable to do so.

**System action:** The server ignores the command.

**User response:** Validate that the external LDAP directory server is actively running. Also, validate that the LDAPURL option is set appropriately and refers to a valid LDAP directory server.

ANR2733W  *Unable to authenticate with the external LDAP directory server to process the SET LDAPUSER command.*

**Explanation:** The LDAPUSER value or the LDAPPASSWORD value or both are invalid.

**System action:** The server command continues.

**User response:** During the SET LDAPUSER command, the Tivoli Storage Manager server tried to authenticate to the external LDAP directory server. If the LDAPPASSWORD is not set or is invalid, the authentication fails, but the SET LDAPUSER command succeeds. The LDAPUSER value and the LDAPPASSWORD value both must be set correctly before the server can communicate with the external LDAP directory server. The SET LDAPPASSWORD command fails if authentication with the external LDAP directory server fails with the current LDAPUSER and new LDAPPASSWORD.

You can validate the current LDAPUSER by issuing the QUERY STATUS command. The LDAPUSER and...
LDAPPASSWORD commands can be corrected with the appropriate SET commands. If there is still an authentication error, validate that the user and password are set correctly in the external LDAP directory server.

**ANR2734E** Unable to authenticate with the external LDAP directory server to process the SET LDAPPASSWORD command.

**Explanation:** The LDAPUSER value or the LDAPPASSWORD value or both are invalid.

**System action:** The server command fails.

**User response:** You can validate the current LDAPUSER by issuing the QUERY STATUS command. The LDAPUSER and LDAPPASSWORD commands can be corrected with the appropriate SET commands. If there is still an authentication error, validate that the user and password are set correctly in the external LDAP directory server.

**ANR2735W** Renamed node node name must be updated with the current password.

**Explanation:** In response to a RENAME NODE command to a node that uses LDAP authentication, the node was renamed in the Tivoli Storage Manager database, but an LDAP entry does not exist for the new name in the LDAP directory server. This can happen because the SYNCLDAPDELETE=NO parameter was used or an LDAP entry did not exist for the original name.

**System action:** None.

**User response:** Issue the UPDATE NODE command to the renamed node using the current password, before attempting any sessions with the node.

**ANR2736W** Renamed administrator admin name must be updated with the current password.

**Explanation:** In response to a RENAME ADMIN command with an admin that uses LDAP authentication, the admin was renamed in the Tivoli Storage Manager database, but an LDAP entry does not exist for the new name in the LDAP directory server. This can happen because the SYNCLDAPDELETE=NO parameter was used or an LDAP entry did not exist for the original name.

**System action:** None.

**User response:** Issue the UPDATE ADMIN command to the renamed admin using the current password, before attempting any sessions with the admin.

**ANR2737E** Command: All of the admins provided are invalid.

**Explanation:** While verifying the parameters of the specified command, no valid admin was found.

**System action:** The server ends the command.

**User response:** Verify that the admins specified are correct and all are registered. Then, reissue the command.

**ANR2738W** Command: parameter conflicts with parameter - conflicting parameter.

**Explanation:** Conflicting parameters were specified in the command.

**System action:** The server bypasses the conflicting parameter and processing continues.

**User response:** Verify which parameter you want to use and reissue the command, if necessary. If the command needs to be reversed, undo the command, correct the syntax, and then reissue the command.

**ANR2739I** Audit LDAP directory started as process process ID.

**Explanation:** A background process was started to audit the LDAP directory entries. The audit was assigned the process ID shown.

**System action:** The audit process starts and server operation continues.

**User response:** The administrator may query the status of the audit process by using the QUERY PROCESS command, or cancel the process with the CANCEL PROCESS command.

**ANR2740E** Alert monitor could not start or has failed and stopped.

**Explanation:** The server alert monitor is not able to start or continue processing.

**System action:** The alert monitor is not able to run.

**User response:** Evaluate other messages in the activity log to determine why the alert monitor is unable to run. This is typically caused by insufficient resources such as a lack of memory or other system resources.

**ANR2741I** Alert monitor has started.

**Explanation:** The server alert monitor has started successfully and will evaluate messages to determine and raise alerts for administrative notification when necessary.

**System action:** None.

**User response:** None.
ANR2742W  Command: Has been submitted for approval consideration.

Explanation: The command has not been executed. The command has been recorded for approval consideration. Contact the primary or alternate approval administrators for consideration and disposition of this request. If the command is not approved prior to the approval duration period, it will be deleted and the command itself will not be executed.

System action: The server does not process the command. The command is recorded for pending approval. Issue QUERY PENDINGCOMMAND to see the request.

User response: Contact the primary or alternate approval administrators to disposition this request. If approval is granted, the approval administrator will re-issue the command as part of the approval processing. And if the command is rejected, it will be deleted and no further action taken.

ANR2743I  Approval processing for request requestId to process Command issued by administrator administrator is successful; command completed.

Explanation: The command was submitted for the designated administrator and has successfully run to completion.

System action: None.

User response: Review the activity log for the command processed.

ANR2744W  Approval processing for request requestId to process Command issued by administrator administrator failed; command execution was not successful.

Explanation: The command was submitted for the designated administrator but failed to run successfully.

System action: The pending command entry is removed and the command needs to be re-issued by the originating administrator.

User response: Review the activity log for the command processed.

ANR2745I  AUDIT LDAPDIRECTORY command finished: admin only LDAP administrator entries are only in the LDAP directory server (not in the Tivoli Storage Manager server), admin only TSM administrator entries are only in the Tivoli Storage Manager server (not in the LDAP directory server), node only LDAP node entries are only in the LDAP directory server (not in the Tivoli Storage Manager server), node only TSM node entries are only in the Tivoli Storage Manager server (not in the LDAP directory server), and total deleted entries entries were deleted from the LDAP server in total.

Explanation: The inconsistencies between the LDAP directory server and the Tivoli Storage Manager server are displayed as a result of the AUDIT LDAPDIRECTORY command.

System action: None.

User response: None.

ANR2746W  Node node name was located in the database but not in the LDAP directory server.

Explanation: An inconsistency between the LDAP directory server and the Tivoli Storage Manager database was discovered. A node in the Tivoli Storage Manager database a does not have a corresponding entry in the LDAP directory server. Without an entry in the LDAP directory server, the node is inaccessible until action is taken. See the user response for recommended action.

System action: None.

User response: To make the node accessible, you need to add the node to the LDAP directory server. Issue the UPDATE NODE command with a password to create an LDAP node entry in the LDAP directory server.

ANR2747W  Administrator admin name was located in the database but not in the LDAP directory server.

Explanation: An inconsistency between the LDAP directory server and the Tivoli Storage Manager database was discovered. An administrator in the Tivoli Storage Manager database a does not have a corresponding entry in the LDAP directory server. Without an entry in the LDAP directory server, the administrator is inaccessible until action is taken. See the user response for recommended action.

System action: None.

User response: To make the administrator accessible, you need to add the administrator to the LDAP directory server. Issue the UPDATE ADMIN command
with a password to create an LDAP administrator entry in the LDAP directory server.

**ANR2748W** Node **node name** was located in the LDAP directory server but not in the database.

**Explanation:** An inconsistency between the LDAP directory server and the Tivoli Storage Manager database was discovered. An unexpected node entry was found in the LDAP directory server. An extra entry in the LDAP directory server does not affect Tivoli Storage Manager server operations. If the LDAP directory server is shared by multiple Tivoli Storage Manager servers, the extra entry might be needed for one or more of the other Tivoli Storage Manager servers.

**System action:** If the AUDIT LDAPDIRECTORY command is issued with FIX=YES, the server deletes the node entry from the LDAP directory server. If the command is issued with FIX=NO, the server does not delete the entry.

**User response:** None.

**ANR2749W** Administrator **admin name** was located in the LDAP directory server but not in the database.

**Explanation:** An inconsistency between the LDAP directory server and the Tivoli Storage Manager database was discovered. An unexpected administrator entry was found in the LDAP directory server. An extra entry in the LDAP directory server does not affect Tivoli Storage Manager server operations. If the LDAP directory server is shared by multiple Tivoli Storage Manager servers, the extra entry might be needed for one or more of the other Tivoli Storage Manager servers.

**System action:** If the AUDIT LDAPDIRECTORY command is issued with FIX=YES, the server deletes the administrator entry from the LDAP directory server. If the command is issued with FIX=NO, the server does not delete the entry.

**User response:** None.

**ANR2750I** Starting scheduled command **schedule name**.

**Explanation:** This message is displayed when the server starts the execution of a scheduled command. The name of the schedule and the actual command scheduled is displayed.

**System action:** Server operation continues, the scheduled command is processed.

**User response:** None.

**ANR2751I** Scheduled command **schedule name** completed successfully.

**ANR2752E** Scheduled command **schedule name** failed.

**ANR2753I** **(Schedule name):command response**

**ANR2754E** **DEFINE SCHEDULE or UPDATE SCHEDULE parameter CMD='**command**'**
- Unknown command.

**ANR2755E** **DEFINE SCHEDULE or UPDATE SCHEDULE parameter CMD='**command**'**
- not eligible for scheduling.
ANR2756I  Scheduled command schedule name started successfully.

Explanation: This message is displayed when the server successfully starts processing of a background process for a scheduled command.
System action: Server operation continues.
User response: None.

ANR2757E  Command: The NODES parameter cannot be used when querying events for administrative schedules.

Explanation: A QUERY EVENT command has been issued with TYPE=ADMINISTRATIVE and the NODES parameter both specified. The NODES parameter cannot be specified when querying events for administrative schedules.
System action: Server operation continues, but the command is not processed.
User response: Issue the command without the NODES parameter.

ANR2758E  Please specify a tracefile name with less than 37 characters if it is fully qualified or 26 characters if it is not fully qualified.

Explanation: The .template file adds 9 more characters to the end of the filename.
System action: Server operation continues.
User response: Reduce the filename length to a working range for s390 system.

ANR2759I  Command: The virtual file space definition vfs name for node node name has been deleted.

Explanation: In response to the DELETE VIRTUALFSMAPPING command, the virtual file space mapping vfs name for the node node name has been deleted in the server database.
System action: Server operation continues.
User response: None.

ANR2760E  Command: Unable to delete the virtual file space definition vfs name for node node name. A file space definition exists with the same name.

Explanation: The DELETE VIRTUALFSMAPPING command has been entered, but the specified virtual file space mapping vfs name for the node node name has an associated file space definition in server database.
System action: The server does not process the command.
User response: Reissue the command with a different target filespace name.

ANR2761I  Audit command: auditing inventory virtual file space mappings.

Explanation: This message is displayed during a database audit and indicates that server information about virtual file space mappings is currently being examined by the database audit process.
System action: Audit processing continues.
User response: None.

ANR2762I  Command: A virtual file space mapping named vfs name for node node name has been updated.

Explanation: In response to the UPDATE VIRTUALFSMAPPING command, a virtual file space mapping for the specified node has been updated in the server database.
System action: Server operation continues.
User response: None.

ANR2763E  Command: The hexadecimal string entered for the path parameter is not valid.

Explanation: The command indicated specifies an invalid Hexadecimal value for the path parameter.
System action: The server does not process the command.
User response: Check that the string representing the path contains only valid hexadecimal characters and contains an even number of characters. Reissue the command with a valid Hex string for the path parameter.

ANR2764E  Command: Filespace filespace name cannot be renamed to new filespace name; a virtual file space with this name already exists for node node name.

Explanation: The file space name specified as a target name for the command was found to already exist as a virtual file space for the node specified. The command fails.
System action: Server operation continues, the command fails.
User response: Reissue the command with a different target filespace name.
ANR2765E  Command: The node node name has an invalid node type for virtual file space definitions; the node type must be NAS.
Explanation: A Define VirtualFSMapping command was entered with an invalid node type.
System action: The server does not process the command.
User response: You might want to run this command again, specifying a node of TYPE=NAS.

ANR2766W  Command: Virtual file space name vfs name conflicts with file space on the network attached storage (NAS) device.
Explanation: The specified server command has been entered with a virtual file space that has the same name as a file space on the NAS device.
System action: The server operation continues.
User response: Ensure that no virtual file space mappings for this NAS device have the same name as an actual file space that exists on the NAS device.

ANR2767E  Command: The data format of storage pool Storage Pool Name does not match the data format of storage pool Storage Pool Name.
Explanation: The data format of the indicated storage pools does not match. The requested operation failed.
System action: The command fails.
User response: Use QUERY STGPOOL F=D to display the data format for various pools and determine which may be eligible for the operation. Choose a storage pool that has the matching data format and re-issue the command.

ANR2768I  Process process ID will use data mover datamover name for the operation.
Explanation: The indicated data mover is being used by the indicated process.
System action: The indicated data mover is being used by the indicated process.
User response: None.

ANR2769E  Command: Process process ID terminated - data mover inaccessible.
Explanation: The indicated process terminated for the indicated command because none of the data movers is accessible.
System action: The indicated process terminates.
User response: Examine the previous error messages for possible reasons a remote session could not be started.

ANR2770E  Command: Process process ID skipped restoring data from volume volume name in storage pool name storage pool - drive path unavailable.
Explanation: The indicated process skipped restoring data from the indicated volume because none of the NAS type datamovers is available.
System action: The data in the indicated volume is not restored.
User response: Use QUERY STGPOOL to obtain the device class to which the indicated source storage pool belongs. Use QUERY DEVCLASS to obtain the library containing the source storage pool. Then, use the QUERY DATAMOVER and QUERY PATH commands to verify that at least one NAS datamover has paths to the drives in the library.

ANR2771E  Move data process terminated for volume volume name - data mover inaccessible.
Explanation: Move data processing terminated for the indicated volume because none of the data movers is accessible.
System action: Move data ends for the indicated volume.
User response: Examine the previous error messages for possible reasons a remote session could not be started.

ANR2772E  Command: Process process ID terminated - drive path or data mover unavailable.
Explanation: The indicated process terminated for the indicated command for one of the following reasons:
- None of the data movers with paths to the drives in the library containing the source storage pool is available.
- None of the data movers with paths to the drives in the library containing the target storage pool is available.
System action: The indicated process ends.
User response: Use QUERY STGPOOL to obtain the device class to which the source or target storage pool belongs. Use QUERY DEVCLASS to obtain the library name that contains the source or target storage pool. Then, use the QUERY DATAMOVER and QUERY PATH commands to verify that at least one data mover has paths to the drives in the library.
ANR2773E  Move data process terminated for volume volume name - drive path or data mover unavailable.

Explanation: MOVE DATA processing terminated for the indicated volume for one of the following reasons:

- None of the data movers with paths to the drives in the library containing the source storage pool is available.
- None of the data movers with paths to the drives in the library containing the target storage pool is available.

System action: The indicated process ends.

User response: Use QUERY STGPOOL to obtain the device class to which the source or target storage pool belong. Use QUERY DEVCLASS to obtain the library name that contains the source or target storage pool. Then, use the QUERY DATAMOVER and QUERY PATH commands to verify that at least one data mover has paths to the drives in the library.

ANR2774E  Command: Process process ID terminated - data format mismatch.

Explanation: During restore processing, a data format mismatch occurred between the storage pool being restored and the copy storage pool.

System action: The indicated restore process terminates.

User response: Examine the previous error message to determine the name of the copy storage pool used for the restore. If possible, specify a copy storage pool that has the same data format as the storage pool being restored on the restore command.

ANR2775W  Command: Process Process id encountered an output error. File on volume volume name skipped - Node node name, file type file type, file space file space name, file name file name, fsid file space id.

Explanation: During copy or move operation, an output error was encountered. The indicated file was skipped.

System action: The file will not be processed.

User response: If possible, correct the error and re-run the command.

ANR2776I  Audit command: Inventory object (object.ID) is part of an incomplete group. The inventory entry will be deleted.

Explanation: A database audit process found an inventory object that is part of an incomplete group. Because FIX=YES has been specified for the command, the inventory entry is deleted.

System action: Audit processing continues.

User response: None.

ANR2777I  Audit command: Storage entry for an inventory object (object.ID) cannot be found. The inventory entry will be deleted.

Explanation: A database audit process cannot find the storage entry for the specified inventory object. Because FIX=YES has been specified for the command, the inventory entry is deleted.

System action: Audit processing continues.

User response: None.

ANR2778I  Audit command: Storage entry for an inventory object (object.ID) cannot be found.

Explanation: A database audit process cannot find the storage entry for the specified inventory object.

System action: Audit processing continues.

User response: Run the audit command again with FIX=YES, so that the error can be corrected.

ANR2779I  Audit command: Storage entry for an inventory object (object.ID) cannot be found.

Explanation: A database audit process cannot find the storage entry for the specified inventory object.

System action: Audit processing continues.

User response: Run the audit command again with FIX=YES, so that the error can be corrected.

ANR2780W  Command: Updates for nodes previously processed during this command will be rolled back.

Explanation: An error has occurred during an UPDATE NODE operation. If the UPDATE NODE command was processing more than one node, updates for nodes which were previously processed will be rolled back.

System action: Server operation continues.

User response: Correct the error and reissue the command.

ANR2781E  command name: keyword value longer than max length characters.

Explanation: The directory specified for the indicated keyword is too long. Specify a directory less than or equal to the number of characters indicated. This is a limitation of the underlying database.
ANR2782I  SET DBRECOVERY completed successfully and device class for automatic DB backup is set to value.

Explanation: The device class requirement for automatic database backup is set with the SET DBRECOVERY command.

System action: None.

User response: None.

ANR2783E  FORMAT: Required keyword keyword not specified.

Explanation: A required keyword was not specified for database format processing.

System action: Server database format processing terminates.

User response: Reissue the format command with the required parameters.

ANR2784E  FORMAT: The mirror log directory must not be the same as the active log directory.

Explanation: The server found an error when processing the format command.

System action: Server stops the format.

User response: Select a different directory for mirror log and reissue command.

ANR2785E  An error occurred when trying to access path name.

Explanation: An access denied error occurred while attempting to access a directory.

System action: The command stops.

User response: Verify permission for that directory is set correctly then reissue the command.

ANR2786E  The server was unable to find path name.

Explanation: The server could not find the directory specified.

System action: The command stops.

User response: Verify the existence of that directory and reissue the command.

ANR2787E  The server failed with error code last error when attempt to access path name.

Explanation: The server failed to access the directory specified.

System action: The command stops.

User response: Verify the existence of that directory and reissue the command.

ANR2788E  Database log path path name is not empty.

Explanation: When specifying a new active, archive, or mirror log directory in the server options file or when formatting a server, the indicated directory must be empty to prevent and accidental overwrite of existing data.

System action: If a FORMAT operation was being performed, the operation stops. If this was a change to the server options file to specify a new log directory, the new directory is ignored, and the existing directory is used.

User response: Verify the directory that was specified. Delete any data in that directory if the data is not needed, or create a new directory. Reissue the format command.

ANR2789W  Command: Node node name is registered, but the server cannot remove it because it is reserved.

Explanation: The command shown specifies a node that is reserved by the server.

System action: The server does not process the command.

User response: None.

ANR2790E  Too many symbolic links were found while traversing file path path name.

Explanation: The server stops processing the command.

User response: Refer to your operating system’s manual for the maximum number of symbolic links allowed on a path name. Reduce the number of symbolic links that lead to the file path, and then reissue the command.

ANR2791E  The file or volume name path name is too long.

System action: The server stops processing the command.

User response: Check your operating system’s limits on files and pathss length. Reissue the command with a shorter file or volume name.
ANR2792E  A component of the path  path name  is not a directory.

Explanation:
System action:  The server stops processing the command.
User response:  Verify all directories in the path of the file or volume name. Reissue the command with a valid file or volume path. command.

ANR2793W  An invalid value for MAXTXNBYTE is found in the database  value in bytes.

Explanation:  The server detects an invalid value for MAXTXNBYTE in the database. The server will use the default value for MAXTXNBYTE and processing will continue.
System action:  The server initialization continues.
User response:  No action is required

ANR2794I  LDAP password set.

Explanation:  The password that the server uses to authenticate with the LDAP server has been set, changed or removed with the SET LDAPPASSWORD command.
System action:  None.
User response:  None.

ANR2795I  command: Repair failed processing backup sets for node  node name. backup set count  backup sets belonging to node count  nodes were successfully repaired before the failure.

Explanation:  The REPAIR BACKUPSET command encountered an error processing backup sets for the specified node. Some backup sets might have been successfully repaired.
System action:  The command failed. Some backup sets might have been repaired.
User response:  Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. Correct the problem and rerun the command.

ANR2796I  command: Repair completed for backup set count  backup sets belonging to node count  nodes.

Explanation:  The REPAIR BACKUPSET command completed after successfully repairing the retention initiation date for the indicated number of backup sets.
System action:  The command completed.
User response:  None.

ANR2797E  The license value was skipped because of a bad date range.

Explanation:  One or more license values were skipped due to the current system date not being valid for the license. This message occurs when reading the nodelock file. This can occur during server start-up, license audit, or REGISTER LICENSE.
System action:  Server operation fails.
User response:  Verify the correct system date setting.

ANR2798E  Server operation is denied - server is not licensed for License required.

Explanation:  The server refuses a server operation because the server is not licensed with the appropriate support.
System action:  Server operation fails.
User response:  Obtain and register the appropriate license.

ANR2799W  Server operation is in violation of server license terms - server is not licensed for License required.

Explanation:  The server warns about a server operation because the server is not licensed with the appropriate support.
System action:  Server operation continues.
User response:  Obtain and register the appropriate license.

ANR2800E  The license manager cannot be started:  diagcode.

Explanation:  The license manager cannot be started during initialization because sufficient memory is not available. Diagnostic code  diagcode  is issued.
System action:  Initialization fails.
User response:  See the documentation for the operating system about how to increase memory for an application.

ANR2803I  License manager started.

Explanation:  The license manager is started when the server is initialized. The license manager monitors license compliance.
System action:  Server operation continues.
User response:  None.
ANR2804W Insufficient memory is available for the license manager - will retry in number of seconds seconds.

Explanation: The server suspends license manager processing because sufficient server memory is not available.

System action: Server operation continues; the license manager operation will be retried after the specified delay.

User response: See the documentation for the operating system about how to increase memory for an application.

ANR2805W Insufficient recovery log space available for the license manager - will retry in number of seconds seconds.

Explanation: The server suspends license manager processing because sufficient recovery log space is not available.

System action: Server operation continues; the license manager operation will be retried after the specified delay.

User response: To increase the amount of log space available to the server, an authorized administrator can add log volumes using the DEFINE LOGVOLUME command, and can extend the size of the log using the EXTEND LOG command.

ANR2806W Insufficient database space available for the license manager - will retry in number of seconds seconds.

Explanation: The server suspends license manager processing because sufficient database space is not available.

System action: Server operation continues; the license manager operation will be retried after the specified delay.

User response: To increase the amount of database space available to the server, an authorized administrator can add database volumes using the DEFINE DBVOLUME command, and can extend the size of the log using the EXTEND DB command.

ANR2807E Out of server log space in license manager.

Explanation: The server ends a database update transaction for the license manager because sufficient recovery log space is not available on the server.

System action: Server operation continues, but the database update fails.

User response: An authorized administrator can use the DEFINE LOGVOLUME command to add volumes for use by the log and can issue the EXTEND LOG command to extend the size of the log so that the new volumes are used.

ANR2808E Out of server database space in license manager.

Explanation: The server ends a database update transaction for the license manager because sufficient database space is not available on the server.

System action: Server operation continues, but the database update fails.

User response: An authorized administrator can use the DEFINE DBVOLUME command to add volumes for use by the database and can use the EXTEND DB command to extend the size of the database so that the new volumes are used.

ANR2811I Audit License completed - Server is in compliance with license terms.

Explanation: The results from the AUDIT LICENSES command indicate the server is in compliance with the terms of the current license.

System action: Server operation continues.

User response: None.

ANR2812W License Audit completed - ATTENTION: Server is NOT in compliance with license terms.

Explanation: The results from the AUDIT LICENSES command indicate the server is not in compliance with the terms of the current license.

System action: Server operation continues, but the REGISTER NODE command or backup-archive requests, or both, will fail.

User response: Use the QUERY LICENSE command to determine the license terms that are no longer in compliance.

ANR2813I Server is licensed for a capacity of capacity gigabytes and number of clients clients.

Explanation: This message is issued during server startup.

System action: Server operation continues.

User response: None.

ANR2814I Audit command: License audit period changed to number of days days.

Explanation: This message is displayed in response to the SET LICENSEAUDITPERIOD command used to
change the interval in days between automatic license audits.

**System action:** Server processing continues.

**User response:** None.

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**ANR2815E**

**Command:** Invalid value specified for interval between license audits - *value*.

**Explanation:** The specified command has been issued with an invalid value.

**System action:** Server operation continues, but the command is not processed.

**User response:** Issue the command with a valid value.

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**ANR2816E**

**Command:** License audit or register operation already in progress.

**Explanation:** The server is currently performing a register license or license audit.

**System action:** The server does not process the specified command.

**User response:** Reissue the command after the license audit process or the register license command ends.

Only one REGISTER LICENSE command or AUDIT LICENSE process can be running at a time. The REGISTER LICENSE command and the AUDIT LICENSE process may not run at the same time.

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**ANR2817I**

**Command:** License audit started as process *process ID*.

**Explanation:** A background process has been started to audit the server for license compliance.

**System action:** The server checks storage utilization and registered nodes for the server and licensed factors, comparing these against the values for which the server is licensed.

**User response:** The administrator may query the status of the background process using the QUERY PROCESS command.

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**ANR2818I**

**Command:** Licensed capacity changed to capacity *GB* with number of clients *clients*.

**Explanation:** The license information has been changed to the indicated values with the REGISTER LICENSE command.

**System action:** None.

**User response:** To implement the changed license information, issue an AUDIT LICENSES command or wait until an automatic license audit occurs.

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**ANR2819I**

**Command:** Automatic license audit started as process *process ID*.

**Explanation:** A background process has been started to audit the server for license compliance.

**System action:** The server checks storage utilization and registered nodes for the server and licensed factors, comparing these against the values for which the server is licensed.

**User response:** The administrator may query the status of the background process using the QUERY PROCESS command.

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**ANR2820I**

**Command:** Automatic license audit could not be started: *diagcode*.

**Explanation:** The license manager cannot start an automatic process to audit server licenses because sufficient memory is not available. Diagnostic code *diagcode* is issued.

**System action:** Server processing continues.

**User response:** See the documentation for the operating system about how to increase memory for an application.

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**ANR2821I**

**Command:** Cancel in progress

**Explanation:** The license audit operation has been cancelled and will end when resources have been freed for the background process. This message may be displayed in response to a QUERY PROCESS command for an AUDIT LICENSES operation.

**System action:** Server operation continues.

**User response:** None.

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**ANR2822I**

**Command:** Have audited number of nodes *nodes*.

**Explanation:** An AUDIT LICENSES operation is in progress. The process has audited the specified number of nodes. This message may be displayed in response to a QUERY PROCESS command for an AUDIT LICENSES operation.

**System action:** Server operation continues.

**User response:** None.
ANR2824I License audit process process number canceled - number of nodes nodes audited.

Explanation: A background server process to audit server licenses has been canceled by using the CANCEL PROCESS command. The number of nodes that have been audited before the operation ended are reported in the message.

System action: The server process is ended and server operation continues.

User response: None.

ANR2825I License audit process process number completed successfully - number of nodes nodes audited.

Explanation: A background server process to audit server licenses has completed successfully after auditing the specified number of nodes.

System action: The server process is ended and server operation continues.

User response: None.

ANR2826I License audit process process number terminated in error - number of nodes nodes audited.

Explanation: A background server process to audit server licenses encounters an error and is ended. The number of nodes that have been audited before the operation ended is reported in the message.

System action: The server process is ended and server operation continues.

User response: None.

ANR2827I Server is licensed to support feature name for a quantity of licensed quantity.

Explanation: This message is issued during server startup.

System action: Server operation continues.

User response: None.

ANR2828I Server is licensed to support feature name.

Explanation: This message is issued during server startup.

System action: Server operation continues.

User response: None.

ANR2829E Command: parameter - parameter is not allowed.

Explanation: The UPDATE NODE command has been entered with a parameter that is not allowed.

System action: The server ignores the command.

User response: When updating the REPLMODE and REPLSTATE parameters on a node definition, there are restrictions that prohibit changing certain values. Several conditions are enforced during command processing that prevents unintended updates. The syntax processing is strictly enforced and in many cases, it might be necessary to issue other commands prior to using UPDATE NODE. Refer to the Administrator’s Reference in the Tivoli Storage Manager Information Center for a complete description of the command restrictions for UPDATE NODE.

ANR2832I Command: The License Manager has not yet completed initialization - please retry this command later.

Explanation: While attempting to process the specified license command, the server detects that the licensing component of the server had not completed initialization. The licensing facility used on some platforms may require some time to initialize because network calls are involved, and waits may occur.

System action: Server operation continues; the command is not processed.

User response: Reissue the command after waiting 10 minutes. If this message is displayed after a number of retry attempts, contact your service representative.

ANR2833I Command: Auditing license definitions.

Explanation: The server has started to audit database definitions that describe licensing information.

System action: Server database audit operation continues.

User response: None.

ANR2834W License Audit completed - WARNING: Server is NOT in compliance with license terms.

Explanation: The results from the AUDIT LICENSES command indicate that the server is not in compliance with the terms of the current license.

System action: Server operation continues, but the REGISTER NODE command fails.

User response: Use the QUERY LICENSE command to determine the license terms that are no longer in compliance. Remove nodes or purchase additional client node connections. After these actions have been taken, reissue the AUDIT LICENSES command to
resynchronize the server configuration with license terms.

ANR2835I  Server is licensed for number of clients clients.

Explanation: This message is issued during server startup and in one hour increments there after.

System action: Server operation continues.

User response: None.

ANR2836I  Command: License audit started as process process ID.

Explanation: A background process has been started to audit the server for license compliance.

System action: The server checks registered nodes for the server and compares this against the value for which the server is licensed.

User response: The administrator may query the status of the background process using the QUERY PROCESS command, or cancel the process with the CANCEL PROCESS command.

ANR2839I  Automatic license audit started as process process ID.

Explanation: A background process has been started to audit the server for license compliance.

System action: The server checks registered nodes and compares them against the value for which the server is licensed.

User response: The administrator may query the status of the background process by using the QUERY PROCESS command.

ANR2841W  Server is NOT IN COMPLIANCE with license terms.

Explanation: This message is issued periodically when the server configuration does not comply with the terms for which it is licensed.

System action: Server operation continues.

User response: Use the QUERY LICENSE command to display the current server configuration with respect to licensed terms to discover which factors of the configuration do not conform to your license. Contact your service representative to obtain more licenses, if required.

ANR2842I  Server is licensed to support number of gigabytes gigabytes of storage.

Explanation: This message is issued during server startup.

System action: Server operation continues.

User response: None.

ANR2843I  Server is licensed to support UNIX clients.

Explanation: This message is issued during server startup.

System action: Server operation continues.

User response: None. UNIX is a registered trademark in the United States and other countries, licensed exclusively through X/Open Company Limited.

ANR2844I  Server is licensed to support desktop clients.

Explanation: This message is issued during server startup and in one hour increments there after.

System action: Server operation continues.

User response: None.

ANR2847W  The addition of client client node name is beyond the client capacity that the server is licensed to support.

Explanation: This message is issued when a new client node is added to the server with the REGISTER NODE command, or through open registration, and the actual number of nodes registered on the server exceeds the server’s licensed capacity.

System action: Server operation continues.

User response: This message is issued as a reminder to the administrator that the server is not operating within compliance of its license. Contact your service representative if more licenses are required for your server.

ANR2852I  Current license information:

Explanation: This message is issued during a REGISTER LICENSE command to display the current licensing information for the server before the new license has been interpreted by the command. Messages appearing after this message display the factors under which the server is currently licensed.

System action: Server operation continues.

User response: None.

ANR2853I  New license information:

Explanation: This message is issued during a REGISTER LICENSE command to display the updated licensing information for the server after the new license has been interpreted by the command. Messages appearing after this message display the updated factors under which the server is licensed.

System action: Server operation continues.
User response: Check to make sure that the new license information includes the updates that you intended for the REGISTER LICENSE command. If the license terms do not change, check the parameters and reissue the command, if you find that it was not entered correctly. If the REGISTER LICENSE command does not produce the desired updates in terms of licensing, contact your service representative.

ANR2854I Server is licensed for device support module module number.
Explanation: This message may be issued during server startup.
System action: Server operation continues.
User response: None.

ANR2855I Server is licensed to support Tivoli Space Manager clients.
Explanation: This message is issued during server startup.
System action: Server operation continues.
User response: None.

ANR2859I Server is licensed for Secondary Server Attachment.
Explanation: This message may be issued during server startup.
System action: Server operation continues.
User response: None.

ANR2860I Server is licensed to support Tivoli Disaster Recovery Manager.
Explanation: This message is issued during server startup.
System action: Server operation continues.
User response: None.

ANR2861I Server is licensed to support Server-to-Server Virtual Volumes.
Explanation: This message is issued during server startup.
System action: Server operation continues.
User response: None.

ANR2863I Server is licensed to support Enterprise Administration functions.
Explanation: This message is issued during server startup.
System action: Server operation continues.
User response: None.

ANR2864I Server is licensed to support Server-to-Server Virtual Volumes.
Explanation: This message is issued during server startup.
System action: Server operation continues.
User response: None.

ANR2865W The server is NOT licensed to support Enterprise Administration functions. By performing this action you are no longer in compliance with license terms.
Explanation: This message is issued when Enterprise Administration functions are used, but the server is NOT licensed to support the functions.
System action: Server operation continues.
User response: To bring your installation back into conformance with license terms, obtain a license for enterprise administration functions or remove central logging definitions. Contact your service representative if you have any questions or concerns with this message.

ANR2866E The server is NOT licensed to support Enterprise Administration functions.
Explanation: This message is issued when Enterprise Administration functions are used, but the server is NOT licensed to support the functions.
System action: The command fails.
User response: Contact your service representative if you want to obtain a license for enterprise administration.

ANR2867W The character string 'string' was truncated during assignment.
Explanation: Truncation occurred during assignment of an SQL character string. For example, the expression CAST( 'Hello' AS CHAR(2) ) will result in truncation because the string 'Hello' (length 5) can not fit in the target type CHAR(2) without loss of trailing characters.
System action: This warning can occur before or after SQL query processing, but does not terminate query processing.
User response: None.

ANR2900W The result of character string concatenation was truncated.
Explanation: Truncation occurred when the concatenation of character strings resulted in a length that exceeds the maximum character string length (250...
for data type CHAR, and 2000 for data type VARCHAR).

System action: This warning can occur before or after SQL query processing, but does not terminate query processing.

User response: None.

ANR2902E Insufficient memory was available to process the SQL statement.

Explanation: Sufficient memory was not available to complete the processing of an SQL query.

System action: The SQL query is terminated.

User response: None.

ANR2903E An SQL parser stack overflow occurred while processing token 'token'.

Explanation: The internal stack used by the SQL query parser has overflowed. This typically occurs when too many column names or expressions have been specified in the SELECT clause.

System action: The SQL query is terminated.

User response: None.

ANR2904E Unexpected SQL key word token - 'token'.

Explanation: A syntax error occurred because an SQL key word was found that can not legally be used at the specified position within the SQL statement. Examples of SQL key words are SELECT, FROM, and WHERE.

System action: The SQL query is terminated.

User response: None.

ANR2905E Unexpected SQL identifier token - 'token'.

Explanation: A syntax error occurred because an SQL identifier was found that can not legally be used at the specified position within the SQL statement. Examples of SQL identifiers are table names and column names.

System action: The SQL query is terminated.

User response: None.

ANR2906E Unexpected SQL literal token - 'token'.

Explanation: A syntax error occurred because an SQL literal token was found that can not legally be used at the specified position within the SQL statement. Examples of SQL literal tokens are 'abc', 1.567, and DATE '1/1/96'.

System action: The SQL query is terminated.

User response: None.
**ANR2913E**  
System action: The SQL query is terminated.  
User response: None.

**ANR2914E**  
SQL identifier token 'token' is too long; name or component exceeds 18 characters.  
Explanation: An SQL identifier token was found that exceeds the maximum length of 18 characters per component.  
System action: The SQL query is terminated.  
User response: None.

**ANR2915E**  
The SQL token beginning with 'token' is missing an ending delimiter.  
Explanation: An SQL token was found that is missing its ending delimiter. For example, each of the tokens 'abc', 'abc', and X'abc' is missing its ending delimiter.  
System action: The SQL query is terminated.  
User response: None.

**ANR2916E**  
The SQL data types data type and data type are incompatible for operator 'operator'.  
Explanation: The data types of the operands are not compatible when used with the specified operator. For example, the expression 3 + 'abc' is not valid because the operand data types INTEGER and CHAR(3) are not compatible for the addition operator "+".  
System action: The SQL query is terminated.  
User response: None.

**ANR2917E**  
The SQL data type of expression 'expression' is data type; expecting an integer expression.  
Explanation: An SQL expression of data type SMALLINT, INTEGER, or DECIMAL with scale zero is expected.  
System action: The SQL query is terminated.  
User response: None.

**ANR2918E**  
The SQL data type of expression 'expression' is data type; expecting a Boolean expression.  
Explanation: An SQL expression of data type BOOLEAN is expected.  
System action: The SQL query is terminated.  
User response: None.

**ANR2919E**  
The SQL data type of expression 'expression' is data type; expecting a numeric expression.  
Explanation: An SQL expression of numeric data type SMALLINT, INTEGER, DECIMAL, NUMERIC, REAL, FLOAT, or DOUBLE PRECISION is expected.  
System action: The SQL query is terminated.  
User response: None.

**ANR2920E**  
The SQL data type of expression 'expression' is data type; expecting a numeric or interval expression.  
Explanation: An SQL expression of numeric data type SMALLINT, INTEGER, DECIMAL, NUMERIC, REAL, FLOAT, or DOUBLE PRECISION or of interval data type (INTERVAL) is expected.  
System action: The SQL query is terminated.  
User response: None.

**ANR2921E**  
The SQL data type of expression 'expression' is data type; expecting a character string expression.  
Explanation: An SQL expression of character string type CHAR or VARCHAR is expected.  
System action: The SQL query is terminated.  
User response: None.

**ANR2922E**  
The SQL data type of expression 'expression' is data type; expecting a date, timestamp, character string date, character string timestamp, or interval expression.  
Explanation: An SQL expression was expected of one of the types DATE, TIMESTAMP, CHAR, VARCHAR, or INTERVAL as the operand to the EXTRACT function. In the case of CHAR or VARCHAR, the expression must be a valid character string representation of a date or a timestamp.  
System action: The SQL query is terminated.  
User response: None.
ANR2923E  The SQL data type of expression 'expression' is data type; expecting a time, timestamp, character string time, character string timestamp, or interval expression.

Explanation: An SQL expression was expected of one of the types TIME, TIMESTAMP, CHAR, VARCHAR, or INTERVAL as the operand to the EXTRACT function. In the case of CHAR or VARCHAR, the expression must be a valid character string representation of a time or a timestamp.

System action: The SQL query is terminated.

User response: None.

ANR2924E  The SQL data type of expression 'expression' is data type; expecting a date or character string date expression.

Explanation: An SQL expression was expected of one of the types DATE, CHAR, or VARCHAR. In the case of CHAR or VARCHAR, the expression must be a valid character string representation of a date.

System action: The SQL query is terminated.

User response: None.

ANR2925E  The SQL data type of expression 'expression' is data type; expecting a time or character string time expression.

Explanation: An SQL expression was expected of one of the types TIME, CHAR, or VARCHAR. In the case of CHAR or VARCHAR, the expression must be a valid character string representation of a time.

System action: The SQL query is terminated.

User response: None.

ANR2926E  The SQL data type of expression 'expression' is data type; expecting a date, timestamp, character string date, or character string timestamp expression.

Explanation: An SQL expression was expected of one of the types DATE, TIMESTAMP, CHAR, or VARCHAR. In the case of CHAR or VARCHAR, the expression must be a valid character string representation of a date or a timestamp.

System action: The SQL query is terminated.

User response: None.

ANR2927E  The SQL data type of expression 'expression' is data type; expecting an interval containing a single date-time field.

Explanation: An SQL expression was expected of data type INTERVAL YEAR, INTERVAL MONTH, INTERVAL DAY, INTERVAL HOUR, INTERVAL MINUTE, or INTERVAL SECOND, all of which contain a single date-time field. Multi-field interval types (for example, INTERVAL DAY TO SECOND) are not allowed.

System action: The SQL query is terminated.

User response: None.

ANR2928E  A number can not be converted to SQL data type INTERVAL if the interval contains multiple date-time fields.

Explanation: An attempt was made to convert a number to the data type INTERVAL, but the target interval contains multiple date-time fields (for example, INTERVAL DAY TO SECOND). Only the single-field interval types INTERVAL YEAR, INTERVAL MONTH, INTERVAL DAY, INTERVAL HOUR, INTERVAL MINUTE, or INTERVAL SECOND can be specified.

System action: The SQL query is terminated.

User response: None.

ANR2929E  The expression 'expression' is not an integer constant.

Explanation: An integer constant such as 1 or -9 is expected. For example, the DECIMAL function requires that the precision and scale operands be integer constants. A decimal constant such as 1.67 is not valid.

System action: The SQL query is terminated.

User response: None.

ANR2930E  A subquery used in an SQL expression must specify a single result column.

Explanation: A subquery used in an expression cannot specify multiple result columns. For example, the expression X > (select A,B from T) is invalid because it specifies two result columns (A and B).

System action: The SQL query is terminated.

User response: None.

ANR2931E  A subquery expression may not contain a reference to a column name that is contained in an outer query expression.

Explanation: A subquery contains a reference to a column name in an outer query expression.

System action: The SQL query is terminated.

User response: None.
ANR2932E  The maximum nesting depth for subquery expressions has been exceeded.
Explanation: Too many nested subqueries were specified.
System action: The SQL query is terminated.
User response: None.

ANR2933E  The WHERE clause must not contain an aggregate function.
Explanation: The use of the aggregate functions COUNT, MAX, MIN, SUM, AVG, VARIANCE, or STDDEV in the WHERE clause is not allowed.
System action: The SQL query is terminated.
User response: None.

ANR2934E  The result data type of a CASE expression can not be determined; at least one non-null THEN or ELSE expression must be specified.
Explanation: The result data type of a CASE expression can not be determined because all of the THEN expressions and the ELSE expression (if present) specifies the NULL key word.
System action: The SQL query is terminated.
User response: None.

ANR2935E  The date-time field field is not present in the expression 'expression' (data type data type).
Explanation: The specified date-time field (YEAR, MONTH, DAY, HOUR, MINUTE, or SECOND) is not contained in the data type of the expression.
System action: The SQL query is terminated.
User response: None.

ANR2936E  The SQL aggregate function function can not be nested within an aggregate function.
Explanation: One of the aggregate functions COUNT, MAX, MIN, SUM, AVG, VARIANCE, or STDDEV was found nested within another aggregate expression.
System action: The SQL query is terminated.
User response: None.

ANR2937E  An SQL subquery expression can not be nested within an aggregate function.
Explanation: An expression containing a subquery was found nested within one of the aggregate functions COUNT, MAX, MIN, SUM, AVG, VARIANCE, or STDDEV.
System action: The SQL query is terminated.
User response: None.

ANR2938E  The column 'column' is not allowed in this context; it must either be named in the GROUP BY clause or be nested within an aggregate function.
Explanation: A column reference was specified that is neither a column specified in a GROUP BY clause nor is a column nested in one of the aggregate functions COUNT, MAX, MIN, SUM, AVG, VARIANCE, or STDDEV. The use of the column reference is prohibited because either 1) the GROUP BY clause has been specified, 2) the HAVING clause has been specified, or 3) at least one aggregate function is present.
System action: The SQL query is terminated.
User response: None.

ANR2939E  The reference 'reference' contains an unknown SQL table name.
Explanation: A table name in the SQL command is not one of the base tables defined by the server's database. The rows of the table SYSCAT.TABLES can be selected to obtain a list of all of the valid base tables.
System action: The SQL query is terminated.
User response: Retry the command using a table that is defined by the Tivoli Storage Manager server database.

ANR2940E  The command 'reference' contains an unknown SQL column name.
Explanation: A column name in the SQL command is not one of the base table columns defined by the server's database. The rows of the table SYSCAT.COLUMNS can be selected to obtain a list of all of the valid base table columns. If a two-part (compound) column reference such as X.Y is specified, then the correlation name X must be one of the active correlation names for the query.
System action: The SQL query is terminated.
User response: None.
ANR2941E  The column reference 'column reference' matches more than one SQL column name.

Explanation: The specified column reference is ambiguous because it matches the columns associated with multiple tables.

System action: The SQL query is terminated.

User response: None.

ANR2942E  The column reference 'column reference' is not allowed in this context because it is part of an outer SQL query expression.

Explanation: The specified column reference is not allowed because it names a column of some outer query expression. Such references are not allowed when contained within the expressions of the HAVING and SELECT clauses.

System action: The SQL query is terminated.

User response: None.

ANR2943E  The column reference 'column reference' is a duplicate of another SQL column name in the same list.

Explanation: A duplicate column reference was specified within the same GROUP BY or ORDER BY list of columns.

System action: The SQL query is terminated.

User response: None.

ANR2944E  The reference 'reference' is an unknown SQL scalar function name.

Explanation: The specified function reference is not the name of a valid scalar function.

System action: The SQL query is terminated.

User response: None.

ANR2945E  Too few arguments are specified for SQL scalar function 'function'.

Explanation: Too few function arguments were specified. For example, the expression LEFT(x) is invalid because the LEFT function requires at least two arguments.

System action: The SQL query is terminated.

User response: None.

ANR2946E  Too many arguments are specified for SQL scalar function 'function'.

Explanation: Too many function arguments were specified. For example, the expression UPPER(x,y) is invalid because the UPPER function requires exactly one argument.

System action: The SQL query is terminated.

User response: None.

ANR2947E  Division by zero was detected for operator 'operator'.

Explanation: An attempt to divide by the number zero was detected for the specified SQL operator. The most likely cause of the problem is that one of the values of a column is zero, and that column is used in the denominator of a division operation. To protect against this case the NULLIF function can be used. For example, instead of the expression 1/X, specify 1/NULLIF(X,0), which will set the expression to null whenever the value if X is zero.

System action: The SQL query is terminated.

User response: None.

ANR2948E  The value 'value' can not be assigned or converted to SQL data type 'data type'.

Explanation: A value could not be assigned or converted to a value in the specified SQL data type because either 1) the data type of the value can not be legally cast to the target data type (for example, data type TIME can not be converted to data type INTEGER); 2) the assignment of the value results in overflow in the target data type (for example, the decimal value 12345678.34 can not be assigned to data type DECIMAL(3,2) because the precision of the target type is exceeded); or 3) the syntax of a character string value is not appropriate for the target data type (for example, the string 'abc' can not be converted to data type DATE).

System action: The SQL query is terminated.

User response: None.

ANR2949E  Arithmetic overflow occurred for SQL operator 'operator'.

Explanation: An arithmetic overflow occurred for the specified operator. Examples of this include: 1) the application of the unary negation operator to the smallest INTEGER value (-2147483648) causes overflow because the result can not be represented in 2's complement; 2) the sum of the set of INTEGER column values applied to the SUM aggregate function can not be represented within the precision of INTEGER type.

System action: The SQL query is terminated.

User response: None.
ANR2950E  •  ANR2958E

User response:  None.

ANR2950E  Arithmetic or date-time overflow occurred for SQL operator 'operator' for values 'value' (data type data type) and 'value' (data type data type).

Explanation:  An arithmetic or date-time overflow occurred for the specified operator. The values that caused the overflow (and their SQL data types) are displayed.

System action:  The SQL query is terminated.

User response:  None.

ANR2951E  The value 'value' (data type data type) is not a valid argument for operator 'operator'.

Explanation:  An invalid value was specified as an argument to an SQL operator. For example, the expression SQRT(-1) is not valid because the argument to the SQRT function is negative.

System action:  The SQL query is terminated.

User response:  None.

ANR2952E  The value 'value' (data type data type) is not a valid character string representation of an SQL date or a timestamp for operator 'operator'.

Explanation:  An invalid character string representation of a DATE or TIMESTAMP was specified. For example, the string 'abc' is neither a valid date nor a timestamp.

System action:  The SQL query is terminated.

User response:  None.

ANR2953E  The value 'value' (data type data type) is not a valid character string representation of an SQL time or a timestamp for operator 'operator'.

Explanation:  An invalid character string representation of a TIME or TIMESTAMP was specified. For example, the string 'g pm' is neither a valid time nor a timestamp.

System action:  The SQL query is terminated.

User response:  None.

ANR2954E  An SQL subquery used in a scalar expression must yield a table that contains at most one row.

Explanation:  This error results when a subquery used in a scalar expression returns multiple rows, thereby making it ambiguous as to which value should be returned.

System action:  The SQL query is terminated.

User response:  None.

ANR2955E  The SQL character string expression 'expression' must return a single character.

Explanation:  A single-character character string was expected for the ESCAPE clause of the LIKE operator, for the trim character of the TRIM operator, or for the pad character of the LEFT or RIGHT function. For example, the string 'Hello' is invalid because it contains multiple characters.

System action:  The SQL query is terminated.

User response:  None.

ANR2956E  Unable to access SQL base table 'table'.

Explanation:  An error occurred when attempting to read rows from one of the SQL base tables. This message is typically preceded by another error describing the condition.

System action:  The SQL query is terminated.

User response:  None.

ANR2957E  An error occurred inserting a row in an SQL temporary table. The server database size may need to be increased.

Explanation:  An error occurred when attempting to insert a row into a temporary table being used for an SQL query. This message is typically preceded by another error describing the condition. In many cases this error can be resolved by increasing the size of the server database. Free space in the database is used to store temporary tables created during the execution of an SQL SELECT query.

System action:  The SQL query is terminated.

User response:  None.

ANR2958E  SQL temporary table storage has been exhausted.

Explanation:  The result of an SQL query could not be computed because temporary table storage space was unavailable. By issuing the QUERY DB command and viewing the Maximum Reduction parameter, you can determine the amount of space that is available for temporary table storage space. If the parameter is less than 4, the storage space becomes exhausted and the SQL query can no longer run. Complex SQL queries such as the ORDER BY clause, the GROUP BY clause,
and the DISTINCT operator can cause additional
temporary table space to be required.

System action: The SQL query is terminated.

User response: If your database is full, increase the size of the database. If your database is fragmented (Where the Available space parameter is greater than 4, but the Maximum Reduction parameter is less than 4), you must either unload and load your database or add a volume.

**ANR2959E  SQL temporary table row is too wide.**

Explanation: A row could not be inserted into an SQL temporary table because the row is too wide. This can occur if 1) there are too many columns in the row being inserted, or 2) the sum of the lengths of the columns in the row is too wide. Temporary tables are used when 1) the ORDER BY clause is specified; 2) the GROUP BY clause is specified; or 3) the DISTINCT operator is specified.

System action: The SQL query is terminated.

User response: Reduce the number of columns specified in the ORDER BY and/or GROUP BY clauses.

**ANR2960E  Unexpected SQL enumerated type name 'token'.**

Explanation: A syntax error occurred because an SQL enumerated type name was found that can not legally be used at the specified position within the SQL statement. A list of all of the enumerated types declared by the server can be found in the SQL catalog table SYSCAT.ENUMTYPES.

System action: The SQL query is terminated.

User response: None.

**ANR2961E  Invalid SQL enumerated type name 'name'.**

Explanation: A syntax error occurred because an SQL enumerated type name was expected, but the specified name is not one of the declared enumerated types. For example, the literal expression XXX:YYYY is illegal because XXX is not a valid enumerated type name. A list of all of the enumerated types declared by the server can be found in the SQL catalog table SYSCAT.ENUMTYPES.

System action: The SQL query is terminated.

User response: None.

**ANR2962E  Unable to resolve SQL enumerated type for value 'value'.**

Explanation: A syntax error occurred because an unqualified SQL enumerated value name was specified, but, because that value name is a member of more than one enumerated type, its type could not be resolved. For example, the enumerated value name YES belongs to more than one enumerated type, and so the result type of the expression YES = YES can not be resolved. A list of all of the enumerated types declared by the server can be found in the SQL catalog table SYSCAT.ENUMTYPES.

System action: The SQL query is terminated.

User response: None.

**ANR2963W  This SQL query may produce a very large result table, or may require a significant amount of time to compute.**

Explanation: An SQL query has been posed that could potentially cause a very large number of rows to be returned and displayed, or may involve a large amount of processing time before the first result table row can be generated.

System action: The administrator is asked whether to continue.

User response: Enter 'Y' to continue with SQL query processing or 'N' to terminate the query.

**ANR2964E  The reference 'reference' is not a column of the SQL result table.**

Explanation: The ORDER BY clause specified a column that is not part of the result table for the SQL query. Only those columns named in the select list are part of the result table.

System action: The SQL query is terminated.

User response: None.

**ANR2965E  An SQL temporary table cannot be built. required columns columns are needed, maximum columns is the maximum.**

Explanation: A temporary table required columns wide is needed to complete processing for an SQL query. The maximum degree of an SQL table is maximum columns. The table will not be created.

System action: The SQL query is terminated.

User response: If the ORDER BY and/or GROUP BY clauses were specified, reduce the number of columns needed for the result table.

**ANR2966E  Command/process: Database temporary table storage has been exhausted.**

Explanation: The named command or operation could not be completed because insufficient temporary table storage space was available. Free space in the server database is used to store temporary tables created.
during the execution of the named command or process.

**System action:** The named command or process is terminated.

**User response:** Extend the server database (after adding database volumes if necessary) and rerun the command or process.

---

**ANR2967I** Differential database backup started as process process ID.

**Explanation:** A background process was started to backup the contents of the database. The differential database backup process was assigned the process ID shown.

**System action:** The database backup process starts and server operation continues.

**User response:** The administrator may query the status of the database backup process by using the QUERY PROCESS command, or cancel the process with the CANCEL PROCESS command.

---

**ANR2968E** Database backup terminated. DB2

**sqlcode:** sqlcode, **DB2 sqlerrmc:** sqlerrmc.

**Explanation:** DB2 detected a problem during the backup operation. Sources of the problem might include:

1. Tivoli Storage Manager API configuration errors for the DB2 instance in which the Tivoli Storage Manager server database resides.
2. An error related to the DB2 backup operation.
3. Errors related to the target backup device.

**System action:** The database backup is terminated.

**User response:** If the message indicates DB2 sqlcode 2033, then the problem is probably the Tivoli Storage Manager API configuration. The DB2 instance uses the Tivoli Storage Manager API to copy the Tivoli Storage Manager database-backup image to the Tivoli Storage Manager server-attached storage devices. Common sqlerrmc codes include:

1. 50 - To determine whether an error created the API timeout condition, look for any Tivoli Storage Manager server messages that occurred during the database-backup process and that were issued before ANR2968E. Ensure that the Tivoli Storage Manager API options file has the correct TCPSERVERADDR and TCPPORT options specified for the Tivoli Storage Manager server being backed up. If the option settings are wrong, correct them for the DB2 instance.
2. 53 - Ensure that the NODENAME option in the Tivoli Storage Manager API options file is set to $$_TSMDBMGR_$$$. Also verify the TCPSERVERADDRESS setting. If the keyword “localhost” is being used verify that this is being resolved correctly by issuing the command “ping localhost” from a system command window. If the ping of localhost fails, consider changing the TCPSERVERADDRESS to the explicit loopback address of 127.0.0.1. As an alternative to setting the explicit loopback address of 127.0.0.1, verify the TCP/IP configuration and whether or not “localhost” is configured correctly. For example, for Unix or Linux systems, verify that /etc/hosts has an appropriate entry for “localhost”.

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**ANR2969E** Database restore terminated. DB2

**sqlcode:** sqlcode, **DB2 sqlerrmc:** sqlerrmc.

**Explanation:** DB2 detected a problem during the restore operation. Sources of the problem might include:

1. Tivoli Storage Manager API configuration errors for the DB2 instance in which the Tivoli Storage Manager server database resides.
2. Errors related to the DB2 restore operation.
3. Errors related to the target backup device.
4. The Tivoli Storage Manager API client configuration used by the current instance is not able to access the backup image.

**System action:** The database restore operation is terminated.

**User response:** If the message indicates DB2 sqlcode 2033, then the problem is most likely the Tivoli Storage Manager API configuration. The DB2 instance uses the Tivoli Storage Manager API to copy the Tivoli Storage Manager database restore image from the Tivoli Storage Manager server-attached storage devices to DB2.

Common sqlerrmc codes include:

1. 50 - To determine whether an error created the API timeout condition, look for any Tivoli Storage Manager server messages that occurred during the backup DB process and that were issued before ANR2969E. Ensure that the Tivoli Storage Manager API options file has the correct TCPSERVERADDR and TCPPORT options specified for the Tivoli Storage Manager server being backed up. If the option settings are wrong, correct them for the DB2 instance.

2. 53 - Ensure that the NODENAME option in the Tivoli Storage Manager API options files is set to $TSMDBMGR$.

3. 106 - Ensure that the DB2-instance DSM_DIR environment variable is pointing to the location of the Tivoli Storage Manager API executables and the dsm.sys configuration file. Ensure that you have the correct permissions to access these locations. If the DSM_DIR setting is wrong, correct it for the DB2 instance, and then restart the DB2 instance.

4. 137 - Ensure that the DB2-instance DSMAPIPW command was run and that it specified the nodename $TSMDBMGR$ and the password TSMDBMGR.

5. 400 - Ensure that the options specified in the Tivoli Storage Manager API options file are valid.

6. 406 - Ensure that the DB2 instance owner has at least read access to the Tivoli Storage Manager API options file. Ensure that the DB2 Instance DSM_CONFIG environment variable is pointing to a valid options file for the Tivoli Storage Manager API. If the DSM_CONFIG setting is wrong, correct it for the DB2 instance, and then restart the DB2 instance.

7. 450,451 - Ensure that the server options file and the Tivoli Storage Manager API options file both contain the COMMMETHOD SHAREDMEM option. Ensure that the values for the SHMPORT option in each options file correspond. Restart the server if you change any values in the server options file.

8. For descriptions of other sqlerrmc values, look in the dsmrc.h file that is installed with the Tivoli Storage Manager API.

If the message indicates DB2 sqlcode 2542, then the problem is probably because Tivoli Storage Manager API version for database restore is not the same API version for database backup. Check Tivoli Storage Manager API version:

1. AIX - /bin/sh -c "lslpp -lcq tivoli.tsm.client.api.64bit"
2. SUN- /bin/sh -c "cat /var/sadm/pkg/TIVsmCapi/pkginfo | grep VERSION"
3. HP- /bin/sh -c "cat /var/adm/sw/products/TIVsm64/CLIENT_API64/INDEX | grep ^revision"
4. Linux - rpm -q TIVsm-API64-* --qf %\{VERSION\}.%\{RELEASE\}\n
5. Windows - reg query "HKEY_LOCAL_MACHINE\SOFTWARE\IBM\ADSM\CurrentVersion\Api"

If this message is issued with a DB2 sqlcode that is not 2033 or 2542, then look for more information about the error by opening a DB2 command-line processor window and typing: ? SQLsqlcode. For example, db2 => ? sql2428

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**ANR2970E** Database rollforward terminated - DB2 sqlcode sqlerrmc sqlerrmc

**Explanation:** There is a problem detected by DB2.

**System action:** The database rollforward is terminated.

**User response:** More information about the error is available by opening a DB2 command-line processor window and typing: ? SQLsqlcode. For example, db2 => ? sql2428

**ANR2971E** Database backup/restore/rollforward terminated - DB2 sqlcode sqlerrmc error.

**Explanation:** There is a problem detected by DB2.

**System action:** The database backup/restore/rollforward is terminated.

**User response:** More information about the error is available by opening a DB2 command-line processor window and typing: ? SQLsqlcode. For example, db2 => ? sql2428

**ANR2972E** Restore DB Command: Database restore/rollforward terminated - Not able to clean up log directory directory name.

**Explanation:** TSM tried to clean up this log directory before PIT restore DB and not able to.

**System action:** The database restore/rollforward is terminated.

**User response:** Please clean up this directory manually before performing DB PIT restore.
ANR2973E  Restore DB Command: Database restore/rollforward terminated - Log directory is required and does not exist.

Explanation: The log directory is required and it does not exist. PIT restore DB is terminated.

System action: The database restore/rollforward is terminated.

User response: Create the specified directory and retry.

ANR2974I  Offline DB backup completed successfully.

Explanation: Offline DB backup completed successfully.

System action: None.

User response: None.

ANR2975E  Offline DB backup failed with sqlcode sqlcode sqllerrmc sqllerrmc.

Explanation: The Offline Database backup failed.

System action: None.

User response: Correct the problem and retry.

ANR2976I  Offline DB backup started.

Explanation: Offline DB backup started.

System action: None.

User response: None.

ANR2977E  Command: Command failed - Restore DB failed with command error in device config file.

Explanation: Restore DB failed due to error in device configuration file.

System action: None.

User response: Correct the problem in device configuration file and retry.

ANR2978E  Command: Invalid directory name - directory name.

Explanation: Restore DB failed due to invalid target directory name in device target directory file.

System action: None.

User response: Correct the problem in target directory file and retry.

ANR2979E  Internal error - Control descriptor is NULL.

Explanation: Something is wrong the control descriptor is NULL.

System action: None.

User response: None.

ANR2980E  Database backup terminated TCPIP failure - DB2 sqlcode sqlcode sqllerrmc sqllerrmc.

Explanation: There is a TCPIP failure detected by DB2.

System action: The database backup is terminated.

User response: Correct the TCPIP setup problem between TSM and DB2 and retry.

ANR2981E  Database backup terminated due to environment or setup issue related to file access - DB2 sqlcode sqlcode sqllerrmc sqllerrmc.

Explanation: There is a problem related to environment or setup detected by DB2.

System action: The database backup is terminated.

User response: Ensure that you specified the correct file or directory name, correct the permissions, or specify a new location and retry.

ANR2982E  Database backup terminated due to environment or setup issue related to password - DB2 sqlcode sqlcode sqllerrmc sqllerrmc.

Explanation: There is a problem related to environment or setup detected by DB2.

System action: The database backup is terminated.

User response: If the TSM parameter PASSWORDACCESS is set to GENERATE, ensure that the system administrator has used the dsmapipw utility to set the password. If PASSWORDACCESS is set to PROMPT, ensure that the TSM_NODENAME and TSM_PASSWORD database configuration parameters have been set correctly.

ANR2983E  Database backup terminated due to environment or setup issue related to DSMI_DIR - DB2 sqlcode sqlcode sqllerrmc sqllerrmc.

Explanation: There is a problem related to environment or setup detected by DB2.

System action: The database backup is terminated.

User response: Ensure that DSMI_DIR points to a
directory containing the correct version of db2tca, restart the instance, and execute the command again.

ANR2984E Database backup terminated due to environment or setup issue related to DSMI_CONFIG - DB2 sqlcode sqlerrmc sqlerrmc.

Explanation: There is a problem related to environment or setup detected by DB2.
System action: The database backup is terminated.
User response: Ensure that the DSMI_CONFIG environment variable points to a valid TSM options file. Ensure that the instance owner has read access to the dsm.opt file. Ensure that the DSMI_CONFIG environment variable is set in the db2profile.

ANR2985E Database backup terminated due to I/O error related to TCPIP - DB2 sqlcode sqlerrmc sqlerrmc.

Explanation: There is a TCPIP problem detected by DB2 and caused the database backup to fail.
System action: The database backup is terminated.
User response: The possible TCPIP problem are connection time out, connection refused, bad host name or network unreachable. Correct the TCPIP problem between TSM and DB2 and retry.

ANR2986E Database backup terminated due to I/O error - DB2 sqlcode sqlerrmc sqlerrmc.

Explanation: There is a I/O problem detected by DB2 and caused the database backup to fail.
System action: The database backup is terminated.
User response: Correct the I/O problem between TSM and DB2 and retry.

ANR2987W Session ended because of machine GUID or local host IP address mismatch.

Explanation: Backup or Restore DB commands are only allowed when the TSM database being backed up or restored and the TSM api and the TSM server are on the same machine. Either the GUID of the TSM api client in use by the database manager does not match the GUID of the TSM server or the local host IP address indicated by the TSM client is not accepted.
System action: The database backup or restore operation is terminated.
User response: Default acceptable local host addresses are "127.0.0.1" for IPV4 and ":1" for IPV6. If you can not configure one of these local host addresses on your system then use the TSM server option "DBMTRUSTEDIPADDR ipaddr" to set a local host address that can be accepted.

ANR2988W Attempt to add the last backup db volume used entry back in to the volume history was unsuccessful.

Explanation: Restore db operation was successful however the attempt to add the last backup db volume used back in to the volume history failed.
System action: The database restore operation is successful. Entry for last backup db volume used in the operation might be missing from volume history.
User response: Keep a copy of the volume history file that was used to do the restore operation. After you have verified the restore db operation do a backup db type=full. Manually track the volume that was not added back in to the volume history.

ANR2989E Database backup Name backup failed - Missing volume history file.

Explanation: Backup DB failed due to volume history file is not defined in the dsmserv.opt.
System action: None.
User response: Correct the problem in dsmserv.opt file and retry.

ANR2990E Database restore is terminated due to an invalid database path sqlerrmc and DB2 sqlcode.

Explanation: DB2 detected invalid database path.
System action: The database restore is terminated.
User response: Ensure the path exists and permissions are correct and issue restore DB command again or issue restore DB command again with ON parameter to specify a new valid database storage path.

ANR2991E The Incremental Database backup was terminated because a full database backup is required - DB2 sqlcode sqlerrmc sqlerrmc.

Explanation: The Incremental Database backup was terminated. A FULL database backup is required before an Incremental Database backup can be completed.
System action: The incremental database backup is terminated.
User response: Complete a FULL database backup first, then retry the incremental database backup.
**ANR2992W**  The total DB used in DB space is log space used megabytes, and the total space available in the DB space is log space available megabytes. The ratio is log file system used ratio.

**Explanation:** The DB space used exceeds the threshold for DB space utilization, please define more DB space using EXTenD DBSpace command.

**System action:**

**User response:**

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**ANR2993E**  The database backup terminated with a log problem. DB2 sqlcode: sqlcode. DB2 sqlerrmc: sqlerrmc.

**Explanation:** The database backup was terminated by DB2 because one or more of the log files needed could not be retrieved.

**System action:** The database backup is terminated.

**User response:** If the message did not indicate which log directory path caused the problem, look in the db2diag.log for additional information. Common problems are a missing directory or permission denied.

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**ANR2994E**  The automatic database backup was terminated.

**Explanation:** The operation was terminated because the device class that is used for the automatic database backup is not defined.

**System action:** The automatic database backup is terminated.

**User response:** Issue the SET DBRECOVERY command to define the device class for the automatic database backup.

---

**ANR2995E**  Command: Device class device class name is used for the automatic database backup.

**Explanation:** The DELETE DEVCLASS command was issued to delete a device class that is in use for the automatic database backup.

**System action:** The server does not process the command.

**User response:** Issue the SET DBRECOVERY command to define a new device class for automatic database backup before deleting this device class.

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**ANR2996W**  The server log is log full percentage percent full. The server is no longer delaying transactions.

**Explanation:** The log utilization is now at a lower level and the server is no longer delaying transactions.

**System action:** Server processing continues.

**User response:** Continue to monitor server activity and log usage. If log usage is low enough, you may consider reducing the amount of space allocated to the log.

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**ANR2997W**  The server log is log full percentage percent full. The server will delay transactions by delay time milliseconds.

**Explanation:** The server log utilization is very high. In order to prevent the server log from becoming full, the server will begin delaying transactions by the specified amount of time.

**System action:** Server processing continues.

**User response:** Monitor server activity and log usage. If possible, delay adding new work to the server load.

---

**ANR2998W**  The server log is log full percentage percent full. The server has cancelled the oldest transaction in the log.

**Explanation:** The server log utilization is dangerously high. In order to prevent the server log from becoming exhausted, the server has cancelled the oldest transaction in the log. Once the server activity associated with this transaction is able to perform cleanup processing, log space will be freed.

**System action:** Server processing continues.

**User response:** Monitor server activity and log usage. If possible, delay adding new work to the server load.

---

**ANR3000E**  Command: Command can only be issued on a configuration manager.

**Explanation:** The command can only be issued on a server that is a configuration manager.

**System action:** Server operation continues. The command is not processed.

**User response:** Issue this command from a configuration manager.

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**ANR3001E**  Command: Command can only be issued on a managed server.

**Explanation:** The command can only be issued on a managed server.

**System action:** Server operation continues. The command is not processed.

**User response:** Issue this command from a managed server.
ANR3002E  Command: Profile name exceeds maximum length characters.

Explanation: The profile name specified in the command is longer than the maximum length allowed.

System action: Server operation continues. The command is not processed.

User response: Select a profile name that does not exceed the maximum length.

ANR3003E  Command: Profile description exceeds maximum length characters.

Explanation: The profile description specified in the command is longer than the maximum length allowed.

System action: Server operation continues. The command is not processed.

User response: Select a description that does not exceed the maximum length.

ANR3004E  Command: The configuration manager name exceeds maximum length characters.

Explanation: The configuration manager name specified in the command is longer than the maximum length allowed.

System action: Server operation continues. The command is not processed.

User response: Select a configuration manager name that does not exceed the maximum length.

ANR3005E  Command: The server name exceeds maximum length characters.

Explanation: The configuration manager name specified in the command is longer than the maximum length allowed.

System action: Server operation continues. The command is not processed.

User response: Select a configuration manager name that does not exceed the maximum length.

ANR3006E  Command: The configuration refresh interval value must be between minimum value and maximum value.

Explanation: The specified command has been issued with an invalid refresh interval.

System action: Server operation continues. The command is not processed.

User response: Issue the command and specify a valid refresh interval value.

ANR3007E  Command: The option option must be specified.

Explanation: When the command is issued on a server that is neither a configuration manager nor a managed server, the specified option must be supplied.

System action: Server operation continues. The command is not processed.

User response: Reissue the command with the specified option.

ANR3008I  Database backup was written using client API: API information.

Explanation: The database backup was written using the indicated Tivoli Storage Manager Backup/Archive API.

System action: Database restore processing continues.

User response: This information will be used during the database restore operation. If the API used during the restore is not compatible, additional messages will be issued and the operation will fail.

ANR3009E  Database restore not possible, client API is not compatible: API information.

Explanation: The Tivoli Storage Manager client API version being used for this database restore operation is not compatible with the version used to write the database backup.

System action: Database restore processing terminates.

User response: Install a newer version of the Tivoli Storage Manager client API and retry this database restore operation. The client API version currently available and used for this database restore operation is not compatible with what was used to originally write the database backup.

ANR3010W  This command will delete an object that is associated with one or more profiles on a configuration manager. Subsequent configuration refresh processing will delete the object on managed servers that subscribe to a profile with which the object is associated.

Explanation: A command has been entered that will delete an object from a configuration manager. Since this object is associated with one or more profiles on a configuration manager, configuration refresh processing will delete this object on subscribing managed servers.

System action: The system asks whether you wish to continue with the command.

User response: To process the command, enter ‘Y’ to continue or ‘N’ to stop the process.
ANR3011E command: Subscription for profile profile name was not deleted because one or more objects could not be discarded.

Explanation: This message was issued because one or more objects could not be discarded by the indicated command. A previous message gives an explanation for each object that could not be discarded.

System action: The system may discard some of the managed objects that are associated with profile profile name. The subscription itself is not deleted.

User response: Examine previous messages to determine the action that must be taken before remaining objects can be discarded. Alternatively, you can delete the subscription without using the DISCARDOBJECTS=YES option.

ANR3012I command: Configuration manager state set to state.

Explanation: The command has successfully set the configuration manager state.

System action: The command succeeded.

User response: None.

ANR3013W command: Configuration manager state already set to state.

Explanation: The specified state is already in force on the server.

System action: Server operation continues. The command is not processed.

User response: This server is already set to the specified state. If the state should be set differently, reissue the command specifying the new state value.

ANR3014E command: One or more subscriptions still exist.

Explanation: A configuration manager state cannot be set to OFF if one or more subscriptions still exist. The server still has a record of one or more subscriptions to its profiles.

System action: Server operation continues. The command is not processed.

User response: Use the QUERY SUBSCRIBERS command to determine which subscriptions still exist. The DELETE SUBSCRIBER command can be used to remove the record of these subscriptions. You may instead want to delete the actual subscription(s) on the managed server(s). When there are no more subscriptions recorded on the configuration manager, you must then delete all the profiles. Once the profiles have been deleted, you can reissue the command.

ANR3015E command: One or more profiles still exist.

Explanation: A configuration manager state cannot be set to OFF if one or more profiles still exist.

System action: Server operation continues. The command is not processed.

User response: Use the QUERY PROFILE command to determine which profiles still exist on the configuration manager then use the DELETE PROFILE command. After all the profiles have been deleted, reissue the command.

ANR3016I command: Configuration refresh interval set to interval.

Explanation: The command has successfully set the configuration refresh interval to the specified value. Automatic configuration refresh processing will immediately be attempted and then will again be performed after the specified number of minutes of elapsed.

System action: The command succeeded.

User response: None.

ANR3017I command: Profile profile name defined.

Explanation: The command has successfully define a profile.

System action: The command succeeded.

User response: None.

ANR3018E command: Profile profile name already exists.

Explanation: The profile specified already exists on the configuration manager.

System action: Server operation continues. The command is not processed.

User response: Decide on another profile name and reissue the command.

ANR3019I command: Profile profile name updated.

Explanation: The command has successfully updated a profile.

System action: The command succeeded.

User response: None.

ANR3020E command: Profile profile name not found.

Explanation: The profile specified could not be found.

System action: Server operation continues. The command is not processed.
User response: Check to see if the profile name was specified correctly on the command. Use the QUERY PROFILE command to check to see if the profile exists on the configuration manager. Reissue the command with the correct profile name.

ANR3021I  command: Profile profile name copied to profile profile name.
Explanation: The command has successfully copied the first profile to the newly created second profile. All the profile associations were also copied.
System action: The command succeeded.
User response: None.

ANR3022E  command: The profile lock timeout interval value must be between minimum value and maximum value.
Explanation: The specified command has been issued with an invalid lock timeout interval.
System action: Server operation continues. The command is not processed.
User response: Issue the command and specify a valid lock timeout interval value.

ANR3023I  command: Profile profile name locked.
Explanation: The command has successfully locked the profile. No configuration information can be propagated to the subscribers of the profile until it is unlocked.
System action: The command succeeded.
User response: None.

ANR3024W  command: Profile profile already locked with timeout interval greater than interval.
Explanation: An attempt was made to lock the specified profile. The profile is already locked with a timeout interval greater than the value specified.
System action: The profile remains locked with the original timeout interval.
User response: If you want to lower the timeout interval, unlock the profile and then lock the profile again specifying the lower value.

ANR3025I  command: Profile profile name unlocked.
Explanation: The command has successfully unlocked the profile. Configuration information can now be propagated to the subscribers of the profile.
System action: The command succeeded.
User response: None.

ANR3026I  command: Profile profile name deleted.
Explanation: The command has successfully deleted the profile from the configuration manager.
System action: The command succeeded.
User response: None.

ANR3027E  command: One or more subscriptions still exist to profile profile name.
Explanation: An attempt was made to delete a profile that still has subscriptions defined on one or more managed servers. The configuration manager still has a record of one or more subscriptions to the profiles.
System action: Server operation continues. The command is not processed.
User response: Use the QUERY SUBSCRIBERS command to determine which subscriptions still exist. Use the DELETE SUBSCRIPTION command on the managed server(s) to delete the subscriptions, and then reissue the DELETE PROFILE command on the configuration manager. Alternatively, the FORCE=YES option can be used on the DELETE PROFILE command to delete the profile even if there are subscriptions to the profile. In this case, messages will be issued when the managed server requests updates for that profile, informing the managed server that the profile has been deleted.

ANR3028E  command: Profile profile name is locked.
Explanation: The specified command cannot be performed on a locked profile.
System action: Server operation continues. The command is not processed.
User response: Unlock the profile using the UNLOCK PROFILE command and then reissue the command.

ANR3029E  command: Profile name not specified.
Explanation: A profile name must be specified on this command using the PROFILE= parameter.
System action: Server operation continues. The command is not processed.
User response: Reissue the command and specify a profile name.

ANR3030I  command: Subscription defined for profile profile name.
Explanation: The command has successfully defined a subscription to the specified profile. A refresh of the configuration information has been initiated.
System action: The command succeeded.
User response: None.
ANR3031W  subscription: Subscription for profile profile name already exists.

Explanation: A subscription already exists for the specified profile.

System action: Server operation continues. The command is not processed.

User response: Check to make sure you specified the correction profile name, and reissue the command if needed.

ANR3032E  subscription: Server name not specified.

Explanation: A server name must be specified on this command using the SERVER= parameter. This identifies the configuration manager.

System action: Server operation continues. The command is not processed.

User response: Reissue the command and specify a server name.

ANR3033E  subscription: Server server is not the managed server's configuration manager.

Explanation: A server name was specified on the command which does not match the current configuration manager. A managed server may only have one configuration manager.

System action: Server operation continues. The command is not processed.

User response: Reissue the command and leave off the server parameter. It will default to use the current configuration manager. A QUERY SUBSCRIPTION will display the configuration manager currently in use.

ANR3034E  subscription: Server server cannot be used as this server's configuration manager.

Explanation: A server name was specified on the command which does not match the configuration manager.

System action: Server operation continues. The command is not processed.

User response: Find out the correct name for the configuration manager and then reissue the command.

ANR3035I  subscription: Subscriber subscriber name deleted.

Explanation: The command has successfully deleted a subscriber from the record kept in the configuration manager. If the subscriber (managed server) still has a subscription to a valid profile, the record of the subscription will reappear when it performs its next configuration refresh.

System action: The command succeeded.

User response: None.

ANR3036E  subscription: Subscriber subscriber name not found.

Explanation: The specified subscriber name was not found in the configuration manager's records as being a valid subscriber of any profiles.

System action: Server operation continues. The command is not processed.

User response: Check to see that the subscriber (managed server) name is correction. If you think the name is correct, perhaps the managed server has not yet successfully contacted the configuration manager to inform it that the subscription exists.

ANR3037I  subscription deleted for profile profile name.

Explanation: The command has successfully deleted a subscription for the specified profile. A refresh of the configuration information has been initiated.

System action: The command succeeded.

User response: None.

ANR3038E  subscription: Subscription for profile profile name not found.

Explanation: A subscription was not found for the specified profile.

System action: Server operation continues. The command is not processed.

User response: Check to see that the profile name was specified correctly. Issue the QUERY SUBSCRIPTION command to check to see which profiles have subscriptions. Reissue the command with the correct profile name.

ANR3039E  subscription: No matching administrators found in configuration.

Explanation: No administrator definitions were found on the configuration manager that match the admin(s) specified on the DEFINE PROFASSOCIATION command.

System action: Server operation continues. The command is not processed.

User response: Use the QUERY ADMIN command to check which administrators that are defined on the server and then reissue DEFINE PROFASSOCIATION command.
ANR3040I  command: All administrators associated with profile `profilename`.

Explanation: The command has successfully associated all the administrators with the specified profile. All administrator definitions will be automatically propagated to managed servers which subscribe to the profile. If an administrator is added to the configuration manager in the future, its definition will also be automatically propagated to the managed servers.

System action: The command succeeded.
User response: None.

ANR3041I  command: Administrator `admin` associated with profile `profilename`.

Explanation: The command has successfully associated the administrator with the specified profile. The administrator definition will be automatically propagated to managed servers which subscribe to the profile.

System action: The command succeeded.
User response: None.

ANR3042W  command: No additional administrators associated with profile `profilename`.

Explanation: No additional administrator were associated with the profile. The administrator(s) specified are already associated with the profile.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY ADMIN command to check which administrators are defined on the server and then reissue to DEFINE PROFASSOCIATION command. The QUERY PROFASSOCIATION FORMAT=DETAILED can be used to see which administrators are already associated with the profile.

ANR3043E  command: No matching domains found in configuration.

Explanation: No domain definitions were found on the configuration manager that match the domain(s) specified on the DEFINE PROFASSOCIATION command.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY DOMAIN command to check which domains are defined on the server and then reissue to DEFINE PROFASSOCIATION command.

ANR3044I  command: All domains associated with profile `profilename`.

Explanation: The command has successfully associated all the domains with the specified profile. All domain definitions will be automatically propagated to managed servers which subscribe to the profile. If a domain is added to the configuration manager in the future, its definition will also be automatically propagated to the managed servers.

System action: The command succeeded.
User response: None.

ANR3045I  command: Domain `domain` associated with profile `profilename`.

Explanation: The command has successfully associated the domain with the specified profile. The domain definition will be automatically propagated to managed servers which subscribe to the profile.

System action: The command succeeded.
User response: None.

ANR3046W  command: No additional domains associated with profile `profilename`.

Explanation: No additional domains were associated with the profile. The domain(s) specified are already associated with the profile.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY DOMAIN command to check which admin schedules are defined on the server and then reissue to DEFINE PROFASSOCIATION command. The QUERY PROFASSOCIATION FORMAT=DETAILED can be used to see which domains are already associated with the profile.

ANR3047E  command: No matching admin schedules found in configuration.

Explanation: No admin schedule definitions were found on the configuration manager that match the admin schedule(s) specified on the DEFINE PROFASSOCIATION command.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY SCHEDULE command to check which admin schedules are defined on the server and then reissue to DEFINE PROFASSOCIATION command.
ANR3048I  command: All admin schedules associated with profile *profilename*.

Explanation: The command has successfully associated all the admin schedules with the specified profile. All admin schedule definitions will be automatically propagated to managed servers which subscribe to the profile. If an admin schedule is added to the configuration manager in the future, its definition will also be automatically propagated to the managed servers.

System action: The command succeeded.
User response: None.

ANR3049I  command: Admin Schedule *admin_schedule* associated with profile *profilename*.

Explanation: The command has successfully associated the admin schedule with the specified profile. The admin schedule definition will be automatically propagated to managed servers which subscribe to the profile.

System action: The command succeeded.
User response: None.

ANR3050W  command: No additional admin schedules associated with profile *profilename*.

Explanation: No additional admin schedules were associated with the profile. The admin schedule(s) specified are already associated with the profile.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY SCHEDULE TYPE=ADMIN command to check which admin schedules are defined on the server and then reissue to DEFINE PROFASSOCIATION command. The QUERY PROFASSOCIATION FORMAT=DETAILED can be used to see which admin schedules are already associated with the profile.

ANR3051E  command: No matching scripts found in configuration.

Explanation: No script definitions were found on the configuration manager that match the script(s) specified on the DEFINE PROFASSOCIATION command.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY SCRIPT command to check which scripts are defined on the server and then reissue to DEFINE PROFASSOCIATION command.

ANR3052I  command: All scripts associated with profile *profilename*.

Explanation: The command has successfully associated all the scripts with the specified profile. All script definitions will be automatically propagated to managed servers which subscribe to the profile. If a script is added to the configuration manager in the future, its definition will also be automatically propagated to the managed servers.

System action: The command succeeded.
User response: None.

ANR3053I  command: Script *script* associated with profile *profilename*.

Explanation: The command has successfully associated the script with the specified profile. The script definition will be automatically propagated to managed servers which subscribe to the profile.

System action: The command succeeded.
User response: None.

ANR3054W  command: No additional scripts associated with profile *profilename*.

Explanation: No additional scripts were associated with the profile. The script(s) specified are already associated with the profile.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY SCRIPT command to check which scripts are defined on the server and then reissue to DEFINE PROFASSOCIATION command. The QUERY PROFASSOCIATION FORMAT=DETAILED can be used to see which scripts are already associated with the profile.

ANR3055E  command: No matching client option sets found in configuration.

Explanation: No client option set definitions were found on the configuration manager that match the client option set(s) specified on the DEFINE PROFASSOCIATION command.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY CLOPTSET command to check which client option sets are defined on the server and then reissue to DEFINE PROFASSOCIATION command.
ANR3056I command: All client option sets associated with profile profilename.

Explanation: The command has successfully associated all the client option sets with the specified profile. All client option set definitions will be automatically propagated to managed servers which subscribe to the profile. If a client option set is added to the configuration manager in the future, its definition will also be automatically propagated to the managed servers.

System action: The command succeeded.
User response: None.

ANR3057I command: Client option set client option set associated with profile profilename.

Explanation: The command has successfully associated the client option set with the specified profile. The client option set definition will be automatically propagated to managed servers which subscribe to the profile.

System action: The command succeeded.
User response: None.

ANR3058W command: No additional client option sets associated with profile profilename.

Explanation: No additional client option sets were associated with the profile. The client option set(s) specified are already associated with the profile.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY CLOPTSET command to check which client option sets are defined on the server and then reissue to DEFINE PROFASSOCIATION command. The QUERY PROFASSOCIATION FORMAT=DETAILED can be used to see which client option sets are already associated with the profile.

ANR3059E command: No matching servers found in configuration.

Explanation: No server definitions were found on the configuration manager that match the server(s) specified on the DEFINE PROFASSOCIATION command.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY SERVER command to check which servers are defined on the server and then reissue to DEFINE PROFASSOCIATION command.

ANR3060I command: All servers associated with profile profilename.

Explanation: The command has successfully associated all the servers with the specified profile. All server definitions will be automatically propagated to managed servers which subscribe to the profile. If a server is added to the configuration manager in the future, its definition will also be automatically propagated to the managed servers.

System action: The command succeeded.
User response: None.

ANR3061I command: Server server associated with profile profilename.

Explanation: The command has successfully associated the server with the specified profile. The server definition will be automatically propagated to managed servers which subscribe to the profile.

System action: The command succeeded.
User response: None.

ANR3062W command: No additional servers associated with profile profilename.

Explanation: No additional servers were associated with the profile. The server(s) specified are already associated with the profile.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY SERVER command to check which servers are defined on the server and then reissue to DEFINE PROFASSOCIATION command. The QUERY PROFASSOCIATION FORMAT=DETAILED can be used to see which servers are already associated with the profile.

ANR3063E command: No matching server groups found in configuration.

Explanation: No server group definitions were found on the configuration manager that match the server group(s) specified on the DEFINE PROFASSOCIATION command.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY SERVERGROUP command to check which server groups that are defined on the server and then reissue to DEFINE PROFASSOCIATION command.
ANR3064I command: All server groups associated with profile profilename.

Explanation: The command has successfully associated all the server groups with the specified profile. All server group definitions will be automatically propagated to managed servers which subscribe to the profile. If a server group is added to the configuration manager in the future, its definition will also be automatically propagated to the managed servers.

System action: The command succeeded.
User response: None.

ANR3065I command: Server group server group associated with profile profilename.

Explanation: The command has successfully associated the server group with the specified profile. The server group definition will be automatically propagated to managed servers which subscribe to the profile.

System action: The command succeeded.
User response: None.

ANR3066W command: No additional server groups associated with profile profilename.

Explanation: No additional server groups were associated with the profile. The server group(s) specified are already associated with the profile.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY SERVERGROUP command to check which server groups are already associated with the profile.

ANR3067E command: No matching administrators associated with profile profilename.

Explanation: No matching administrator definitions are associated with the specified profile.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY PROFASSOCIATION command to check which administrators are associated with the profile and then reissue to DELETE PROFASSOCIATION command.

ANR3068I command: All administrator associations deleted from profile profilename.

Explanation: The command has successfully deleted all administrators associations from the specified profile. This will automatically delete these administrators from the managed servers that are subscribed to this profile.

System action: The command succeeded.
User response: None.

ANR3069I command: Administrator association admin deleted from profile profilename.

Explanation: The command has successfully deleted an administrator association from the specified profile. This will automatically delete this administrator from the managed servers that are subscribed to this profile.

System action: The command succeeded.
User response: None.

ANR3070E command: No matching domains associated with profile profile.

Explanation: No matching domain definitions are associated with the specified profile.

System action: Server operation continues. The command is not processed.
User response: Use the QUERY PROFASSOCIATION command to check which domains are associated with the profile and then reissue to DELETE PROFASSOCIATION command.

ANR3071I command: All domain associations deleted from profile profilename.

Explanation: The command has successfully deleted all domains associations from the specified profile. This will automatically delete these domains from the managed servers that are subscribed to this profile.

System action: The command succeeded.
User response: None.

ANR3072I command: Domain association domain deleted from profile profilename.

Explanation: The command has successfully deleted a domain association from the specified profile. This will automatically delete this domain from the managed servers that are subscribed to this profile.

System action: The command succeeded.
User response: None.
ANR3073E command: No matching admin schedules associated with profile profile.

Explanation: No matching admin schedule definitions are associated with the specified profile.

System action: Server operation continues. The command is not processed.

User response: Use the QUERY PROFASSOCIATION command to check which admin schedules are associated with the profile and then reissue to DELETE PROFASSOCIATION command.

ANR3074I command: All admin schedule associations deleted from profile profile.

Explanation: The command has successfully deleted all admin schedules associations from the specified profile. This will automatically delete these admin schedules from the managed servers that are subscribed to this profile.

System action: The command succeeded.

User response: None.

ANR3075I command: Admin schedule association admin schedule deleted from profile profile.

Explanation: The command has successfully deleted an admin schedule association from the specified profile. This will automatically delete this admin schedule from the managed servers that are subscribed to this profile.

System action: The command succeeded.

User response: None.

ANR3076E command: No matching scripts associated with profile profile.

Explanation: No matching script definitions are associated with the specified profile.

System action: Server operation continues. The command is not processed.

User response: Use the QUERY PROFASSOCIATION command to check which scripts are associated with the profile and then reissue to DELETE PROFASSOCIATION command.

ANR3077I command: All script associations deleted from profile profile.

Explanation: The command has successfully deleted all script associations from the specified profile. This will automatically delete these scripts from the managed servers that are subscribed to this profile.

System action: The command succeeded.

User response: None.

ANR3078I command: Script association script deleted from profile profile.

Explanation: The command has successfully deleted a script association from the specified profile. This will automatically delete this script from the managed servers that are subscribed to this profile.

System action: The command succeeded.

User response: None.

ANR3079E command: No matching client option sets associated with profile profile.

Explanation: No matching client option set definitions are associated with the specified profile.

System action: Server operation continues. The command is not processed.

User response: Use the QUERY PROFASSOCIATION command to check which client option sets are associated with the profile and then reissue to DELETE PROFASSOCIATION command.

ANR3080I command: All client option set associations deleted from profile profile.

Explanation: The command has successfully deleted all client option set associations from the specified profile. This will automatically delete these client option sets from the managed servers that are subscribed to this profile.

System action: The command succeeded.

User response: None.

ANR3081I command: Client option set association client option set deleted from profile profile.

Explanation: The command has successfully deleted a client option set association from the specified profile. This will automatically delete this client option set from the managed servers that are subscribed to this profile.

System action: The command succeeded.

User response: None.

ANR3082E command: No matching servers associated with profile profile.

Explanation: No matching server definitions are associated with the specified profile.

System action: Server operation continues. The command is not processed.

User response: Use the QUERY PROFASSOCIATION command to check which servers are associated with the profile and then reissue DELETE command.

ANR3083E command: No matching groups associated with profile profile.

Explanation: No matching groups definitions are associated with the specified profile.

System action: Server operation continues. The command is not processed.

User response: Use the QUERY PROFASSOCIATION command to check which groups are associated with the profile and then reissue DELETE command.
command to check which servers are associated with
the profile and then reissue to DELETE
PROFASSOCIATION command.

**ANR3083I**  
**command:** All server associations deleted from profile *profilename.*

**Explanation:** The command has successfully deleted all servers associations from the specified profile. This will automatically delete these servers from the managed servers that are subscribed to this profile.

**System action:** The command succeeded.

**User response:** None.

**ANR3084I**  
**command:** Server association *server* deleted from profile *profilename.*

**Explanation:** The command has successfully deleted a server association from the specified profile. This will automatically delete this server definition from the managed servers that are subscribed to this profile.

**System action:** The command succeeded.

**User response:** None.

**ANR3085E**  
**command:** No matching server groups associated with profile *profilename.*

**Explanation:** No matching server group definitions are associated with the specified profile.

**System action:** Server operation continues. The command is not processed.

**User response:** Use the QUERY PROFASSOCIATION command to check which server groups are associated with the profile and then reissue to DELETE PROFASSOCIATION command.

**ANR3086I**  
**command:** All server group associations deleted from profile *profilename.*

**Explanation:** The command has successfully deleted all server groups associations from the specified profile. This will automatically delete these server groups from the managed servers that are subscribed to this profile.

**System action:** The command succeeded.

**User response:** None.

**ANR3087I**  
**command:** Server group association *server group* deleted from profile *profilename.*

**Explanation:** The command has successfully deleted a server group association from the specified profile. This will automatically delete this server group from the managed servers that are subscribed to this profile.

**System action:** The command succeeded.

**User response:** None.

**ANR3088W**  
**command:** This command will cause the deletion of objects on any managed server subscribed to profile *profilename.*

**Explanation:** A DELETE PROFASSOCIATION command option has been entered. This action will not only delete the association from the profile, but it will also result in the deletion of managed object(s) on any managed server subscribing to this profile. The deletion of these objects will occur during the next configuration refresh for that managed server.

**System action:** The system asks whether you wish to continue with the command.

**User response:** To process the DELETE PROFASSOCIATION command, enter 'Y' to continue or 'N' to stop the command.

**ANR3089E**  
**command:** Command failed - Server-to-server communication error with server *server name.*

**Explanation:** The specified command failed while attempting to communicate with the indicated server.

**System action:** Server operation continues. The command is not processed.

**User response:** Verify that the indicated server name is correctly defined. Try reissuing the command. Use the server PING command to see if the other server is up. If the problem persists, consult with your network administrator.

**ANR3090E**  
**command:** Server *server name* is not a configuration manager.

**Explanation:** The specified command failed because it tried to contact the specified server, and discovered that the server is not a configuration manager.

**System action:** Server operation continues. The command is not processed.

**User response:** Reissue the command and specify a correct configuration manager name.

**ANR3091E**  
**command:** Profile list not specified.

**Explanation:** The specified command failed because you did not specify a profile list on the command.

**System action:** Server operation continues. The command is not processed.

**User response:** Reissue the command specifying a profile list.
ANR3092I  
**command:** Subscriber notification processing has begun.

**Explanation:** A NOTIFY SUBSCRIBER process has begun. The managed server(s) are being contacted, asking them to immediately perform a configuration refresh.

**System action:** Server operation continues. The command succeeded.

**User response:** None.

ANR3093I  
**command:** No matching profiles or subscriptions were found.

**Explanation:** No subscriptions were found for the profiles specified. Either the profiles do not exist, or there are no subscriptions to the profiles.

**System action:** Server operation continues. The command is not processed.

**User response:** Use the QUERY PROFILE and QUERY SUBSCRIBER command to determine which profiles exist and which profiles have subscribers. Reissue the command specifying the correct profile name(s).

ANR3094E  
The distinguished name "DN" that is specified in the LDAPURL option does not exist on the LDAP directory server.

**Explanation:** The distinguished name (DN) that is specified in the LDAPURL server option is not found on the LDAP directory server.

**System action:** Server initialization fails.

**User response:** Create the directory entry that is associated with the DN, specify a DN in the LDAPURL that already exists, or specify another directory server that contains the DN that is defined in the LDAPURL server option. Choose one of these options and restart the IBM Tivoli Storage Manager server.

ANR3095W  
Failure updating the database volume history information with the volumes used to perform this restore operation.

**Explanation:** At the end of database restore processing for a point in time operation, the server database will be updated to show the volumes that were used to restore the database. This is done so that a future restore has knowledge of this database backup and will be able to use this if it is the best possible candidate for a future operation. Because the server failed to update this information, a future restore database operation may not select the best possible database backup to use for the operation.

**System action:** Database restore processing completes.

**User response:** Once the server is restarted after the database restore is completed, a BACKUP DB TYPE=FULL should be performed as soon as possible and the volume history information backed up after this backup is completed. This will set a new best possible restore point if a future restore operation is needed. If you use the Disaster Recovery Manager feature to track database backup volume physical location you will have to manually track the location of the database backup volumes which were not updated.

ANR3096I  
The volumes used to perform this restore operation were successfully recorded in the server volume history.

**Explanation:** At the end of database restore processing for a point in time operation, the server database will be updated to show the volumes that were used to restore the database. This is done so that a future restore has knowledge of this database backup and will be able to use this if it is the best possible candidate for a future operation.

**System action:** Database restore processing completes.

**User response:** None.

ANR3097W  
LDAPUSER must be set before you can use LDAP password authentication.

**Explanation:** The LDAPURL server option is set, however LDAP password authentication cannot complete until LDAPUSER and LDAPPASSWORD are set.

**System action:** Server operations continue without LDAP authentication.

**User response:** Issue the SET LDAPUSER and SET LDAPPASSWORD commands, in that order.

ANR3098W  
LDAPPASSWORD must be set before you can use LDAP password authentication.

**Explanation:** The LDAPURL server option is set, however LDAP password authentication cannot complete until the LDAPUSER and LDAPPASSWORD are set.

**System action:** Server operations continue without LDAP authentication.

**User response:** Issue the SET LDAPPASSWORD command.

ANR3099E  
The distinguished name "DN" specified in the LDAPURL option does not have the proper syntax.

**Explanation:** The distinguished name (DN) in the LDAPURL server option does not have the proper syntax. The LDAP URL must use the RFC 2255 format with the restriction that the LDAPURL server option can only contain ASCII characters. The DN must
conform to the requirements of the directory server. Directory servers typically support RFC 2253 or 4514 for the DN format.

**System action:** Server initialization fails.

**User response:** Correct the LDAPURL server option and restart the IBM Tivoli Storage Manager server.

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**ANR3100I** Initializing LDAP directory services.

**Explanation:** The server started the initialization process with the LDAP directory server.

**System action:** Server operations continue.

**User response:** None.

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**ANR3101I** Successfully initialized LDAP directory services.

**Explanation:** The server was successfully configured to use LDAP directory services.

**System action:** Server operations continue and LDAP directory services are available.

**User response:** None.

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**ANR3102E** An authentication failure occurred during LDAP directory services initialization as user LDAP user.

**Explanation:** The LDAPUSER value or the LDAPPASSWORD value, or both, are incorrect.

**System action:** Server operations continue. LDAP directory services are not available.

**User response:** Correct the values for the LDAP user and LDAP password by issuing the SET LDAPUSER and SET LDAPPASSWORD commands. After you issue these commands, LDAP directory services initialization is attempted.

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**ANR3103E** Failure occurred while initializing LDAP directory services.

**Explanation:** An error occurred while the server initialized LDAP directory services.

**System action:** Server operations fail. If the server is already started, LDAP directory services are no longer available. The server cannot start if it was in the middle of trying to start.

**User response:** Examine the server messages that were issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log file and search for messages. Check for network problems. Check for problems with the certificate used by the directory server or the key database containing the certificates. Check the access rights of the LDAPUSER. Check the status of the directory server and examine the log files provided by the directory server. Use LDAP utilities such as ldapsearch or ldp to isolate the problem.

If the server does not start, remove the LDAPURL server option to allow the server to start temporarily without directory services. If the server is running, issue the SET LDAPUSER or SET LDAPPASSWORD commands to try initializing LDAP directory services again.

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**ANR3104E** The LDAP directory service is not successfully configured.

**Explanation:** The IBM Tivoli Storage Manager server must be configured correctly in order to use LDAP directory services, before accounts can be placed in the LDAP directory server to authenticate access requests.

**System action:** Server operations fail.

**User response:** To configure LDAP directory services, set the LDAPURL server option, add the appropriate certificate to the Tivoli Storage Manager server key database, and issue the SET LDAPUSER and SET LDAPPASSWORD commands. The LDAP password (LDAPPASSWORD) must match the password for the user (LDAPUSER) that can conduct Tivoli Storage Manager administrative operations when accessing the LDAP directory server.

If the Tivoli Storage Manager server is already configured to use LDAP directory services, an authentication failure might have occurred or another error might have occurred during configuration. Examine the server messages that were issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages.

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**ANR3105E** The LDAP directory service was not found by using Domain Name System (DNS).

**Explanation:** An LDAP directory server could not be located using the system's current DNS server configuration and DNS suffix search list.

**System action:** Server operations fail.

**User response:** Check the system's DNS configuration, the status of the DNS servers, the DNS server log files, and the DNS server configuration. Verify that the DNS server configuration complies with RFCs 2052, 2219, or 2782.

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**ANR3106E** Failed to parse the LDAPURL option value LDAP URL.

**Explanation:** The LDAPURL server option value cannot be parsed. The LDAP URL must use the RFC 2255 format with the restriction that the LDAPURL server option contain only ASCII characters.

**System action:** Server initialization fails.
User response: Correct the LDAPURL server option value and restart the server.

**ANR3107E** LDAP is not allowed for the LDAPURL option value LDAP URL.

**Explanation:** LDAPS represents using a Secure Sockets Layer (SSL) connection and sending LDAP data over an existing SSL connection. The server only supports LDAP connections secured by using the standard LDAPv3 "StartTLS" operation to establish a secure TLS exchange on an existing LDAP connection.

**System action:** Server initialization fails.

**User response:** Use the standard ldap:// scheme for the LDAPURL server option and restart the IBM Tivoli Storage Manager server.

**ANR3108E** The distinguished name is missing from the LDAPURL server option value LDAP URL.

**Explanation:** The distinguished name (DN) is required as part of the LDAPURL server option. When updating the LDAP URL information, use the RFC 2255 format.

**System action:** Server initialization fails.

**User response:** Correct the LDAPURL server option value and restart the IBM Tivoli Storage Manager server.

**ANR3109E** The LDAPURL server option value LDAP URL does not contain a host address and cannot be used because another LDAPURL option value specifies a host address.

**Explanation:** You cannot have multiple LDAPURL server option values if one of the values does not specify a host address.

**System action:** Server initialization fails.

**User response:** Correct the LDAPURL server option value and restart the IBM Tivoli Storage Manager server.

**ANR3110E** The distinguished names "DN" and "DN" specified with the LDAPURL server option do not match.

**Explanation:** The distinguished names (DN) specified on each LDAPURL server option value must be the same.

**System action:** Server initialization fails.

**User response:** Correct the LDAPURL server option value and restart the IBM Tivoli Storage Manager server.

**ANR3111E** The password cannot be reset, the LDAP directory server requires you to provide the current password.

**Explanation:** The LDAP directory server requires that the user who is specified in the SET LDAPUSER command provide the current password when changing another user's password. The LDAPUSER needs to be able to reset passwords to allow IBM Tivoli Storage Manager administrators to reset passwords for Tivoli Storage Manager nodes and administrators.

**System action:** Server operation fails.

**User response:** Change the password policy or permission settings on the LDAP directory server to allow the user who is specified in the SET LDAPUSER command to change passwords for LDAP users who are managed by the IBM Tivoli Storage Manager server.

**ANR3112E** The password cannot be added or changed, the LDAP user does not have sufficient access rights to add or change the password.

**Explanation:** If the current password was not provided for the operation, a password reset is performed on the LDAP directory server by the user specified in the SET LDAPUSER command. If the current password was provided for the operation, for example, in the SET PASSWORD client command, the user's password is changed on the LDAP directory server by the user. However, if the user's password expired, preventing access to the directory server, the password is changed by the user specified in the SET LDAPUSER command.

**System action:** Server operation fails.

**User response:** Change the password policy and access rights on the LDAP directory server to allow users to change their own passwords, and to allow the user specified in the SET LDAPUSER command to add or reset passwords for the users that are being managed by the IBM Tivoli Storage Manager server.

**ANR3113E** LDAP error LDAP error code (error description) occurred during operation.

**Explanation:** The LDAP operation failed with an unexpected error.
ANR3115E  The LDAP directory server returned the following error message (LDAP server message) with the LDAP error.

Explanation: The LDAP directory server returned an error message associated with an LDAP error that occurred, providing additional information to assist in determining the cause of the problem.

System action: The server operation fails.

User response: Examine the server messages issued around the same time as this message to determine the cause and impact of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. Check the status of the LDAP directory server and examine its log files. Use LDAP utilities such as ldapsearch or ldp to isolate the problem.

ANR3116E  LDAP SSL/TLS error GSKIT error code (error description) occurred during operation.

Explanation: An SSL/TLS error code was reported by the GSKit component along with the LDAP error that occurred.

System action: The server operation fails.

User response: Examine the server messages issued around the same time as this message to determine the cause and impact of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. Check the status of the LDAP directory server and examine its log files. Use LDAP utilities such as ldapsearch or ldp to isolate the problem.

ANR3117E  Session session number for node or administrator node/admin name (client platform) refused - the level of the client does not meet the minimum required level for LDAP authentication.

Explanation: The server refuses the client session because the client program version level is not 6.4 or later. Only version 6.4 and later clients can use LDAP authentication.

System action: The session is refused and server operations continue.

User response: Upgrade the client program to at least version 6.4 or do not use LDAP authentication to make it compatible with the newer server program.

ANR3118I  The LDAP entry for node node name was deleted.

Explanation: An inconsistency between the database of the Tivoli Storage Manager server database and the LDAP directory server was found during AUDIT LDAPDIRECTORY command processing. Because you specified FIX=YES, the LDAP entry for the node was deleted to correct this inconsistency.

System action: Server operations continue.

User response: None.

ANR3119I  The LDAP entry for administrator admin name was deleted.

Explanation: An inconsistency between the database of the Tivoli Storage Manager server database and the LDAP directory server was found during AUDIT LDAPDIRECTORY command processing. Because you specified FIX=YES, the LDAP entry for the administrator was deleted to correct this inconsistency.

System action: Server operations continue.

User response: None.

ANR3120I  The administrator admin name was updated because the parameter parameter for a node with the same name was changed.

Explanation: Values for the AUTHENTICATION and SSLREQUIRED parameters must be the same for nodes and administrators that share the same name. If values for either the node or the administrator changed, the administrator or node sharing the same name will be updated to keep these parameters the same.

If the AUTHENTICATION parameter changed from LDAP to LOCAL, the password was also updated. When this happens, the password is updated to the same password that is used for the node.

System action: The server updated the AUTHENTICATION or SSLREQUIRED parameter of the specified administrator.

User response: None.

ANR3121I  The node node name was updated because the parameter parameter for an administrator with the same name was changed.

Explanation: Values for the AUTHENTICATION and SSLREQUIRED parameters must be the same for nodes and administrators that share the same name. If values for either the node or the administrator changed, the
node or administrator sharing the same name will be updated to keep these parameters the same.

If the AUTHENTICATION parameter changed from LDAP to LOCAL, the password was also updated. When this happens, the password is updated to the same password that is used for the administrator.

**System action:** The server updated the AUTHENTICATION or SSLREQUIRED parameter of the specified node.

**User response:** None.

---

**ANR3122E**  
**message:** System level authority is required because the server needs to update a node or administrator that shares the same name.

**Explanation:** Values for the AUTHENTICATION and SSLREQUIRED parameters must be the same for nodes and administrators that share the same name. If values for either the node or the administrator changed, the node or administrator sharing the same name will be updated to keep these parameters the same.

**System action:** The server fails the command.

**User response:** Reissue the command using an administrator that has system level authority. Alternatively, rename either the node or the administrator associated with the command such that they do not share the same name.

---

**ANR3123W** An LDAP entry for node node name was not found in the LDAP directory server.

**Explanation:** The REGISTER NODE command was issued with AUTHENTICATION=LDAP but without providing a password. This combination is valid. However, this combination will not create an LDAP entry, which is required to access the node.

**System action:** The command succeeded.

**User response:** An LDAP entry must be created before this node can be accessed. To create a new LDAP entry for this node issue the UPDATE NODE command and provide a password. If the LDAP directory server is shared with another Tivoli Storage Manager server, the LDAP entry can be created by the other Tivoli Storage Manager server instead.

---

**ANR3124W** An LDAP entry for administrator admin name was not found in the LDAP directory server.

**Explanation:** The REGISTER ADMIN command was issued with AUTHENTICATION=LDAP but without providing a password. This combination is valid. However, this combination will not create an LDAP entry, which is required to access the administrator.

**System action:** The command succeeded.

**User response:** An LDAP entry must be created before this administrator can be accessed. To create a new LDAP entry for this administrator issue the UPDATE ADMIN command and provide a password. If the LDAP directory server is shared with another Tivoli Storage Manager server, the LDAP entry can be created by the other Tivoli Storage Manager server instead.

---

**ANR3125I**  
**command:** Successfully updated successful updates nodes out of total update attempts nodes that were targeted for updating.

**Explanation:** The command updated a node or nodes and produced summary statistics stating how many nodes were updated successfully and how many attempts were made.

**System action:** The command succeeded.

**User response:** None.

---

**ANR3126I**  
**command:** Successfully updated successful updates administrators out of total update attempts administrators that were targeted for updating.

**Explanation:** The command updated an administrator or administrators and produced summary statistics stating how many administrators were updated successfully and how many attempts were made.

**System action:** The command succeeded.

**User response:** None.

---

**ANR3127W** You must change the password for "LDAP user" within number day(s).

**Explanation:** The password is due to expire, and it must be changed to prevent failures.

**System action:** Server operations continue.

**User response:** Change the password on the LDAP directory server and issue the SET LDAPPASSWORD command with the new password.

---

**ANR3128E**  
**command:** The number of failover servers exceeds the maximum number allowed.

**Explanation:** The number failover servers that can be defined for a node is limited to one.

**System action:** The command fails.

**User response:** Reissue the command specifying only one registered server name.
ANR3129I  Server Fail Over high level address set to address.
Explanation: The high level address that clients use to communicate with this server during fail over has been set to the value indicated with the SET FAILOVERHLADDRESS command.
System action: The command succeeded.
User response: None.

ANR3132W  Replication process with process Id process number from server server name, is cancelled. Replication process source process number on source server may still be active.
Explanation: A replication process on a target replication server which was initiated on a source replication server has been cancelled.
System action: Server operation continues.
User response: Check the status of the replication process on the source server. Issue the CANCEL PROCESS command on the source server to cancel this replication operation.

ANR3133E  command: Server server name not defined
Explanation: The server server name is not defined to the system.
System action: The command proceeds however the server name is not used.
User response: Use QUERY SERVER to identify a valid failover server.

ANR3134E  Command: The number of specified output volumes (volume count) is less than the number of streams specified in the MAXSTREAM parameter (stream count).
Explanation: The number of specified output volumes is less than the number of streams specified in the MAXSTREAM parameter, and scratch volumes are not allowed.
System action: The command is not run.
User response: Rerun the command, specifying more output volumes or fewer streams, or specify SCRATCH=YES to allow scratch volumes to be used.

ANR3135E  Command: The value specified for the MAXSTREAM parameter (stream count) is greater than the mount limit associated with device class device class (mount limit).
Explanation: The value specified for the MAXSTREAM parameter is greater than the mount limit of the specified device class.
System action: The command is not run.
User response: Rerun the command, specifying fewer streams.

ANR3136E  Extractdb command: Failed to start or failed to complete successfully.
Explanation: The database extract process was not able to start due to an error with the command specification or other validation performed prior to performing the extract. Alternatively, the extract process had started but failed to complete successfully due to an error during processing.
System action: Database extract processing did not process successfully.
User response: Review the other messages issued to determine the cause of the failure.

ANR3137E  Unable to reclaim database storage for table space tbspace name. The error code return code is returned.
Explanation: An error occurred when the database manager was trying to reclaim space in the referenced table space.
System action: The EXTEND DBSPACE operation fails. Server operation continues.
User response: Review messages on the server console and in the db2diag log to try and determine the reason for the failure. To complete the process, you will have to manually execute the steps for redistributing data and reclaiming space. See the Administrator’s Guide for details about this task.

ANR3138I  Reclaiming database storage for table space tbspace name is being started.
Explanation: The database manager is reclaiming storage space for the referenced table space.
System action: Server operation continues.
User response: None.

ANR3139I  Reclaiming database storage for all table spaces is completed.
Explanation: The database manager has reclaimed space and reduced the size of all table spaces.
System action: Server operation continues.
User response: None.
<table>
<thead>
<tr>
<th>Message</th>
<th>Description</th>
</tr>
</thead>
</table>
| ANR3140I | Redistribution of data for database database name on table space tbspace name is complete.  
Explanation: The database manager has created directories on recently added paths and has redistributed data across those paths for the referenced tablespace.  
System action: Server operation continues.  
User response: None. |
| ANR3141E | Redistribution of data for database database name on table space tbspace name failed with error code error code.  
Explanation: A failure occurred during the creation of directories on recently added paths or during the redistribution of data across new directories for the referenced tablespace.  
System action: The EXTEND DBSPACE operation fails. Server operation continues.  
User response: Review messages on the server console and in the db2diag log to try and determine the reason for the failure. To complete the process, you will have to manually execute the steps for redistributing data and reclaiming space. See the Administrator’s Guide for details about this task. |
| ANR3142I | Redistribution of data for database database name on table space tbspace name is starting.  
Explanation: The database manager is creating directories on newly added paths and redistributing data across all directories for the referenced table space.  
System action: Server operation continues.  
User response: None. |
| ANR3143I | The following directory or directories have been defined in the database space: directory list. However, the database manager might not use new storage paths immediately.  
Explanation: The EXTEND DBSPACE operation successfully added new directories to the server database storage space. Because RECLAIM=NO was specified on the command, data is not redistributed across all directories. New storage paths might not be used until existing storage is full.  
System action: Server operation continues.  
User response: If you decide that you want to redistribute data and reclaim space in the database, you can manually complete the step for these tasks. See the Administrator’s Guide for more information. |
| ANR3144I | Space is being added to the database as process process ID.  
Explanation: An operation to add space to the database, redistribute data across all directories, and return space to the operating system is in progress.  
System action: The EXTEND DBSPACE command is processed and server operation continues.  
User response: Do not stop the server while this process is running and do not try to halt the process once it has started. If you want to cancel the process, use the CANCEL PROCESS command. To query the status of this process, issue QUERY PROCESS. |
| ANR3145E | Command: Administrator admin name is currently accessing server server name.  
Explanation: The command shown specifies an administrator that has an active session with the specified server.  
System action: The local server does not process the command.  
User response: Reissue the command at a later time, or if necessary, cancel the current administrator session and reissue the command. |
| ANR3146E | command name: The list of directories specified for database storage exceeds length limit characters.  
Explanation: The list of directories is too long. Specify a list less than or equal to the number of characters indicated.  
System action: The command stops.  
User response: Consider breaking up the operation into multiple EXTEND DBSPACE commands to reduce the number of directories specified on the command. |
| ANR3147I | Directory(ies) directory list has been defined in the database space. Database data was distributed and balanced across existing directories.  
Explanation: Command ‘EXTEND DBSPACE’ successfully added new directory(ies) into the server database space and balanced data across existing directories.  
System action:  
User response: |
| ANR3148W | Process process number, replicating with process source process number on server server name, has been inactive for minutes of inactivity minutes.  
Explanation: A replication process on a target server... |
has been inactive for a significant amount of time. It is possible that there is a connection problem with the source replication server, or the source replication process is no longer running, or the source replication server is down.

**System action:** Server operation continues.

**User response:** Verify that the source replication server is still running. If the server is running, check that the source replication process is still active. If the source replication process is no longer active you can cancel this process.

---

**ANR3149I**  Server Fail Over high level address removed.

**Explanation:** The high level address that clients use to communicate with this server during fail over has been removed.

**System action:** The command succeeded.

**User response:** None.

---

**ANR3150E**  Configuration refresh failed with configuration manager server name. Will retry in minutes minutes.

**Explanation:** While receiving configuration information from the specified configuration manager, processing failed because of a communications error.

**System action:** Server operation continues. The configuration refresh process was stopped and will be automatically retried.

**User response:** Perhaps the configuration manager is not active. If the problem continues, contact the administrator for the configuration manager, or contact a network administrator. The refresh will automatically retry several times and then give up until the configuration refresh interval is reached again.

---

**ANR3151E**  Configuration refresh failed with configuration manager server name.

**Explanation:** While receiving configuration information from the specified configuration manager, processing failed.

**System action:** Server operation continues. The configuration refresh process was stopped.

**User response:** Examine the activity log for other messages that may explain why the configuration refresh failed. The refresh will attempted again when the configuration refresh interval is reached.

---

**ANR3152I**  Configuration refresh started with configuration manager server name.

**Explanation:** Configuration refresh processing has started. A server-to-server session was opened to receive configuration information from the configuration manager. Updates will be sent for objects associated with any subscribed-to profiles.

**System action:** Refresh processing continues.

**User response:** None.

---

**ANR3153I**  Configuration refresh ended successfully with configuration manager server name.

**Explanation:** Configuration refresh processing ended successfully. All updates have been made to managed objects associated with any subscribed-to profiles.

**System action:** Server processing continues. The next automatic refresh will start when the configuration refresh interval is reached.

**User response:** None.

---

**ANR3154E**  Communication error on notify to managed server server name. Will retry in minutes minutes.

**Explanation:** While attempting a notify subscriber request to the specified managed server, a communications error was detected.

**System action:** Server operation continues. The notify subscriber request was stopped and will be automatically retried.

**User response:** Perhaps the managed server is not active. If the problem continues, contact the administrator for the managed server, or contact a network administrator. The notify subscriber request will automatically retry several times and then give up.

---

**ANR3155E**  Error attempting notify subscribers request to managed server server.

**System action:** Server operation continues. The notify subscriber request failed.

**User response:** Examine the activity log for other messages that may explain why the notify subscriber request failed.

---

**ANR3156E**  Configuration refresh failed for managed server server name.

**Explanation:** While sending configuration information to the specified managed server, processing failed.

**System action:** Server operation continues. The configuration refresh process ended.

**User response:** Examine the activity log of both the
managed server and the configuration manager for
other messages that may explain why the configuration
refresh failed. The refresh will attempted again by the
managed server when its configuration refresh interval
is reached.

**ANR3157I** Configuration refresh started for
managed server server name.

**Explanation:** Configuration refresh processing has
started. A server to server session was opened by the
managed server to receive configuration information
from the configuration manager. Updates will be sent
for objects associated with any subscribed-to profiles.

**System action:** Refresh processing continues.

**User response:** None.

**ANR3158I** Configuration refresh ended
successfully for managed server server name.

**Explanation:** Configuration refresh processing ended
successfully. All updates have been made to managed
objects associated with any subscribed-to profiles on
the managed server.

**System action:** Server processing continues.

**User response:** None.

**ANR3159E** Managed server server name has newer
version for profile profile name.

**Explanation:** While sending configuration information
to the specified managed server, it has been detected
that the managed server has a newer version of
configuration information for the specified profile than
does the configuration manager. This condition can
happen if the configuration manager's database has
been restored to an earlier point in time. Another
possibility is that the profile was deleted on the
configuration manager and a new profile by the same
name was created.

**System action:** Server operation continues. No
configuration information for this profile will be sent to
the managed server until this condition is corrected.

**User response:** Before correcting the situation, you
may want to use QUERY PROFILE to examine the
profile associations defined on both the configuration
manager and the managed server. To correct the
situation, on the managed server delete the
subscription to the profile and define the subscription
again. This will cause the managed server to be
refreshed at the configuration manager's current level.

**ANR3160E** Unable to receive confirmation of
refresh from managed server server name.

**Explanation:** While sending configuration information
to the specified managed server, a communication error
occurred when trying to receive confirmation from the
managed server that information was processed
successfully.

**System action:** Server operation continues.
Configuration refresh processing ended.

**User response:** Determine if communication can be
established with the managed server by using the
server PING command. Use the NOTIFY
SUBSCRIBERS command to force the configuration
refresh to retry.

**ANR3161E** Premature end of configuration refresh
for managed server server name.

**Explanation:** While sending configuration information
to the specified managed server, processing ended
prematurely because of an error.

**System action:** Server operation continues.
Configuration refresh processing ended.

**User response:** Examine the activity log on the
managed server for any error messages that might
explain why the refresh failed. Use the NOTIFY
SUBSCRIBERS command on the configuration manager
to force the configuration refresh to retry.

**ANR3162E** Managed server server name aborted
configuration refresh processing due to
a low memory condition.

**Explanation:** While sending configuration information
to the specified managed server, processing ended
prematurely because of a low memory condition on the
managed server.

**System action:** Server operation continues.
Configuration refresh processing ended.

**User response:** Make more memory available to the
managed server.

**ANR3163E** Managed server server name aborted
configuration refresh processing due to
an internal error.

**Explanation:** While sending configuration information
to the specified managed server, processing ended
prematurely because of an internal error on the
managed server.

**System action:** Server operation continues.
Configuration refresh processing ended.

**User response:** Examine the activity log of the
managed server for messages that explain the cause of
the internal error.
ANR3164E  Managed server  server name  aborted configuration refresh processing due to a lock conflict.

Explanation: While sending configuration information to the specified managed server, processing ended prematurely because of a lock conflict on the managed server.

System action: Server operation continues. Configuration refresh processing ended.

User response: Use the NOTIFY SUBSCRIBERS command to retry the configuration refresh. If this problem persists, contact your service representative.

ANR3165E  Managed server  server name  aborted configuration refresh processing due to a protocol error.

Explanation: While sending configuration information to the specified managed server, processing ended prematurely because of a protocol error detected on the managed server.

System action: Server operation continues. Configuration refresh processing ended.

User response: Use the NOTIFY SUBSCRIBERS command to retry the configuration refresh. If this problem persists, contact your service representative.

ANR3166E  Unable to receive configuration refresh information from server  server name.

Explanation: While receiving configuration information from the specified configuration manager, processing ended prematurely because of a communications error.

System action: Server operation continues. Configuration refresh processing ended.

User response: Use the server PING command to see if the configuration manager can be reached. If the problem persists, contact your network administrator.

ANR3167E  Configuration manager  server name  aborted configuration refresh processing due to a low memory condition.

Explanation: While receiving configuration information from the specified configuration manager, processing ended prematurely because of a low memory condition on the configuration manager.

System action: Server operation continues. Configuration refresh processing ended.

User response: Notify the administrator of the configuration manager.

ANR3168E  Configuration manager  server name  aborted configuration refresh processing due to an internal error.

Explanation: While receiving configuration information from the specified configuration manager, processing ended prematurely because of an internal error on the configuration manager.

System action: Server operation continues. Configuration refresh processing ended.

User response: Examine the activity log of the configuration manager for messages that explain the cause of the internal error.

ANR3169E  Configuration manager  server name  aborted configuration refresh processing due to a lock conflict.

Explanation: While receiving configuration information from the specified managed server, processing ended prematurely because of a lock conflict on the configuration manager.

System action: Server operation continues. Configuration refresh processing ended.

User response: Retry the configuration refresh by issuing the SET CONFIGREFRESH command (using the current refresh interval value). If this problem persists, contact your service representative.

ANR3170E  Configuration manager  server name  aborted configuration refresh processing due to a protocol error.

Explanation: While receiving configuration information from the specified configuration manager, processing ended prematurely because of a protocol error detected on the configuration manager.

System action: Server operation continues. Configuration refresh processing ended.

User response: Retry the configuration refresh by issuing the SET CONFIGREFRESH command (using the current refresh interval value). If this problem persists, contact your service representative.

ANR3171E  Configuration refresh with configuration manager  server name  had to skip processing for one or more objects.

Explanation: While receiving configuration information from the specified configuration manager, it became necessary to skip the creation or deletion of one or more objects.

System action: Server operation continues. Configuration refresh processing ended.

User response: Examine the managed server’s activity
log for earlier messages that identify the object, and take the actions identified in those messages. Configuration refresh processing will not complete successfully until the problem is cleared up.

**ANR3172W** Subscription exists for deleted profile `<profile name>`.

**Explanation:** While receiving configuration information from the configuration manager, it has been detected that the managed server has a subscription to a profile that no longer exists on the configuration manager. This condition can exist because the profile was deleted with `FORCE=NO` on the configuration manager. This out-of-sync condition can also occur because one of the server’s database was regressed because of a restore db.

**System action:** Server operation continues.

**User response:** The `DELETE SUBSCRIPTION` command is used to correct this situation. You need to decide if you want the managed objects to remain on the server. If you want them to be deleted, specify `DISCARD=YES`. If you want the objects to remain on the managed server as local objects, specify `DISCARD=NO`.

**ANR3173E** Server has newer version for profile `<profile name>` than the configuration manager `<server name>`.

**Explanation:** While receiving configuration information from the configuration manager, it has been detected that the managed server has a newer version of configuration information for the specified profile than does the configuration manager. This condition can happen if the configuration manager’s database has been restored to an earlier point in time. Another possibility is that the profile was deleted on the configuration manager with `FORCE=NO` and a new profile by the same name was created.

**System action:** Server operation continues. No configuration information for this profile will be sent to the managed server until this condition is corrected.

**User response:** Before correcting the situation, you may want to use `QUERY PROFILE` to examine the profile associations defined on both the configuration manager and the managed server. To correct the situation, on the managed server delete the subscription to the profile and define the subscription again. This will cause the managed server to be refreshed at the configuration manager’s current level.

**ANR3174E** Communication error with managed server `<server name>`.

**Explanation:** While receiving or sending information to the specified managed server, a communications error was experienced.

**ANR3175W** Profile `<profile name>` is locked and could not be refreshed from configuration manager `<server name>`.

**Explanation:** While receiving configuration refresh information from the specified managed server, it was detected that a subscribed-to profile is locked.

**System action:** Server operation continues. Refresh processings skips over this profile.

**User response:** Normally, the profile will later be unlocked automatically, or by an administrator. If you think that it should not be locked, have ask the configuration manager admin to unlock it using the `UNLOCK PROFILE` command.

**ANR3176E** Profile `<profile name>` is locked and could not be refreshed for managed server `<server name>`.

**Explanation:** While sending configuration refresh information to the specified managed server, it was detected that a subscribed-to profile is locked.

**System action:** Server operation continues. Refresh processings skips over this profile.

**User response:** If the profile should no longer be locked, use the `UNLOCK PROFILE` command to unlock it.

**ANR3177W** Profile `<profile name>` is locked and could not be refreshed for managed server `<server name>`.

**Explanation:** While receiving configuration refresh information from the specified managed server, it was detected that a subscribed-to profile is locked.

**System action:** Server operation continues. Refresh processings skips over this profile.

**User response:** The configuration manager is at a higher release level than the managed server. The managed server subscribed to a profile that contains an unsupported object. Delete the subscription to this profile until service can be applied to the server to bring it to a higher release level.

**ANR3178E** A communication error occurred during session `<session number>` with replication server `<server name>`.

**Explanation:** The communication error occurred while the system was receiving information from or sending
information to the specified replication server. This error can occur on a target replication server if a CANCEL REPLICATION command is issued on the source replication server.

**System action:** The server is running, but the operation that was in progress failed.

**User response:** If this error occurs frequently, consult your network administrator. Also review the activity log on the target and source replication servers for messages that are related to replication.

---

**ANR3179E** Server server name does not support replication or is not initialized for replication.

**Explanation:** In response to a REPLICATE command, the server attempted to establish a connection to the replication target. But the target server does not support replication, or has not been properly initialized for replication.

**System action:** Server operation continues. The replication fails.

**User response:** Make sure the replication target is at the correct maintenance level and verify that the globally unique ID (GUID) of the target server is properly set. Use the tivguid utility to set the GUID if not properly set.

---

**ANR3180E** Replication cannot occur for node node name, file-space filespace name and copy type copytype name because the target replication server is not set.

**Explanation:** In response to a REPLICATE NODE command, the server was unable to establish a connection to a target replication server because a target server was not defined.

**System action:** Replication for the node and file space is skipped. However, replication continues for other nodes and file spaces.

**User response:** To replicate data, the target replication server must be defined. Issue the SET REPLSERVER command to set the target replication server name. The name specified in the SET REPLSERVER command must be associated with a valid server definition.

---

**ANR3181E** Replication server server name has the same replication key as this server.

**Explanation:** During replication initialization, the server detected that the replication key of the target server is the same as this server. Each server must have a unique replication key.

**System action:** Replication to the specified server is stopped.

**User response:** Issue the SET REPLSERVER command to specify a different server for the target of the replication.

---

**ANR3182W** The password authentication method for node node name did not change.

**Explanation:** During replication or import processing, a node that uses an LDAP directory server to authenticate passwords at the target was detected, but the source node authenticates passwords with the Tivoli Storage Manager server (LOCAL). The Replication and Import process does not change the node password authentication method from LDAP to LOCAL.

**System action:** Replication or Import processing continues. The node password authentication method did not change from LDAP to LOCAL.

**User response:** Change the node password authentication method from LDAP to LOCAL by issuing the UPDATE NODE command with the AUTHENTICATION=LOCAL parameter.

---

**ANR3183W** The password authentication method for administrator admin name did not change.

**Explanation:** During import processing, an administrator ID was detected that authenticates passwords with an LDAP directory server at the target, but with the Tivoli Storage Manager server (LOCAL) at the source. Import processing does not change an administrator's password authentication method from LDAP to LOCAL.

**System action:** Import processing continues. The password authentication method did not change from LDAP to LOCAL.

**User response:** You can change the password authentication method for the target administrator from LDAP to LOCAL by issuing the UPDATE ADMIN command with the AUTHENTICATION=LOCAL parameter.

---

**ANR3184E** Server server name cannot replicate with this server.

**Explanation:** In response to a REPLICATE command, the server tried to establish a connection with the replication target. The target server is at a level that cannot support replication with this server.

**System action:** Server operations continue. The replication fails.

**User response:** Make sure that the replication target server is at a maintenance level that supports replication with this server.
ANR3185I  Replicating node associated replication node as a proxy agent for replicated node reference node

Explanation: During a REPLICATE NODE operation, the server has identified an associated proxy agent node referenced by a replicated node. The proxy agent node definition will be replicated.

System action: Server operations continue.
User response: None.

ANR3186I  Replicating node associated replication node which is referenced in a file space authorization rule for replicated node reference node

Explanation: During a REPLICATE NODE operation, the server has identified an associated replication node that is referenced in a file space authorization rule of a replicated node. The associated replication node definition will be replicated.

System action: Server operations continue.
User response: None.

ANR3187E  Replication of associated replication node associated replication node name failed - the node is not configured for replication

Explanation: During a REPLICATE NODE operation, the server attempted to replicate a node that is either a proxy agent or referenced in a file space authorization rule of a replicating node. The associated replication node could not be replicated because the node definition on the target server is not currently enabled for replication. Associated replication nodes on the target server must have a replication mode set to RECV and a replication state of ENABLED in order to be replicated from a source server.

System action: The replication operation continues.
The replication of the associated node fails.
User response: To replicate an associated replication node set the replication state of the node on the target server to enabled.

ANR3188E  Replication of associated replication node associated replication node name failed - the node is not enabled for replication

Explanation: During a REPLICATE NODE operation, the server attempted to replicate a node that is either a proxy agent or referenced in a file space authorization rule of a replicating node. The associated replication node could not be replicated because it is not currently configured for replication. Associated replication nodes must have a replication mode set to SEND and a replication state of ENABLED in order to be replicated to a target server.

System action: The replication operation continues.
The replication of the associated node fails.
User response: To use an associated replication node with a client during a failover operation enable the associated replication node for replication.

ANR3189E  Replication of associated replication node associated replication node name failed - the target node is not enabled for replication

Explanation: During a REPLICATE NODE operation, the server has identified an associated proxy agent node referenced by a replicated node. The proxy agent node definition will be replicated.

System action: The replication operation continues.
The replication of the associated node fails.
User response: To use an associated replication node with a client during a failover operation enable the associated replication node for replication.

ANR3192I  Replicate Node: Proxy agent nodes replicated: proxy nodes replicated of proxy nodes found identified. Associated authorized nodes replicated: authorized nodes replicated of authorized nodes found identified. Client option sets replicated: option sets replicated of option sets found identified.

Explanation: The replication process has completed. The meanings of the numbers are:

- Proxy agent nodes are the number of nodes which are identified as proxy agents for any of the nodes specified in the REPLICATE NODE command.
- Associated authorized nodes are the number of nodes referenced in file space authorization rules of any of the nodes specified in the REPLICATE NODE command.
- Client option sets are the number of option sets which are referenced by any of the nodes specified in the REPLICATE NODE command.

System action: None.
User response: None.

ANR3193I  Replication Preview: Proxy agent nodes identified: proxy nodes found. Associated authorized nodes identified: authorized nodes found. Client option sets identified: option sets found.
ANR3194I • ANR3199I

Explanation: The preview replication process has completed. The meanings of the numbers are:

- Proxy agent nodes are the number of nodes which are identified as proxy agents for any of the nodes specified in the REPLICATE NODE command.
- Associated authorized nodes are the number of nodes referenced in file space authorization rules of any of the nodes specified in the REPLICATE NODE command.
- Client option sets are the number of option sets which are referenced by any of the nodes specified in the REPLICATE NODE command.

System action: None.
User response: None.

ANR3194I  Identified node associated replication node as a proxy agent for replicated node reference node

Explanation: The preview replication process has completed. The server has identified an associated proxy agent node referenced by a replicated node. The proxy agent node definition will be replicated if the referencing node is replicated.

System action: Server operations continue.
User response: None.

ANR3195I  Identified node associated replication node which is referenced in a file space authorization rule for replicated node reference node

Explanation: The preview replication process has completed. The server has identified an associated replication node that is referenced in a file space authorization rule of a replicated node. The associated node definition will be replicated if the referencing node is replicated.

System action: Server operations continue.
User response: None.

ANR3196E  Communication error occurred on Session session number during import from (communication method communication address).

Explanation: A communication error occurred during import from another server.

System action: The import process is ended.
User response: Determine the cause of the communication error and retry the import.

ANR3197W  command: Replication of authorization rule failed for node node name, filespace Id filespace id on target server target server - a duplicate rule exists on the target server.

Explanation: A file space authorization rule on this server could not be replicated to the target server because an identical rule already exists on the target server.

System action: Server operation continues.
User response: A file space which is being replicated contains an authorization rule that exists on both the source and target servers. Determine which authorization rule should be used on the target server using the QUERY ACCESS command of the Tivoli Storage Manager client. Once you have decided which authorization rule to use, delete the unneeded authorization rule using the DELETE ACCESS command of the Tivoli Storage Manager client.

ANR3198E  command: The server server name definition could not be retrieved. The database is in an inconsistent state.

Explanation: An error occurred while accessing the server information.

System action: The command fails.
User response: For details and instructions to resolve the issue, see Technote 1598476 at http://www.ibm.com/support/entry/portal/. Type 1598476 in the Search field.

ANR3199I  Server halt for stage stage initiated at time.

Explanation: The server HALT processing is being performed and each stage is reported with the time when that stage was initiated.

System action: None.
User response: This message may not be logged to the activity log. It is provided for informational purposes only. The stages reported are for informational purposes and only to denote progress. The sequence and actual stages to be performed during halt may vary and as such will cause this not to always report in the same fashion. The primary consideration is that the INIT stage and the COMPLETE stage can be used to calculate the time used to halt the server. These messages are only displayed if the halt command is issued with the verbose parameter such as: “HALT VERBOSE”.

400   IBM Tivoli Storage Manager: Server Messages and Error Codes
ANR3200E  command: Command cannot be executed
- domain domain name is a managed object.

Explanation: The specified command cannot be executed because it would alter the contents of the indicated managed domain. With the exception of policy set activation, a managed domain can only be modified using configuration information propagated from the configuration manager.

System action: The command fails and server operation continues.

User response: None.

ANR3201E  command: Domain domain name is a managed object and cannot be deleted.

Explanation: The indicated domain is a managed object and cannot be deleted on the managed server.

System action: The command fails and server operation continues.

User response: To delete this object, you can delete the subscription to the configuration profiles with which domain domain name is associated.

ANR3202E  command: Domain domain name is a managed object and cannot be updated.

Explanation: The indicated domain is a managed object and cannot be updated on the managed server.

System action: The command fails and server operation continues.

User response: To update this object, you can delete the subscription to the configuration profiles with which domain domain name is associated.

ANR3203E  command: Policy set set name in domain domain name is a managed object and cannot be deleted.

Explanation: The indicated policy set is a managed object and cannot be deleted on the managed server.

System action: The command fails and server operation continues.

User response: To delete this object, you can delete the subscription to the configuration profiles with which domain domain name is associated.

ANR3204E  command: Policy set set name in domain domain name is a managed object and cannot be updated.

Explanation: The indicated policy set is a managed object and cannot be updated on the managed server.

System action: The command fails and server operation continues.

ANR3205E  command: Management class class name in domain domain name, policy set set name is a managed object and cannot be deleted.

Explanation: The indicated management class is a managed object and cannot be deleted on the managed server.

System action: The command fails and server operation continues.

User response: To delete this object, you can delete the subscription to the configuration profiles with which domain domain name is associated.

ANR3206E  command: Management class class name in domain domain name, policy set set name is a managed object and cannot be updated.

Explanation: The indicated management class is a managed object and cannot be updated on the managed server.

System action: The command fails and server operation continues.

User response: To update this object, you can delete the subscription to the configuration profiles with which domain domain name is associated.

ANR3207E  command: Backup copy group group name in domain domain name, policy set set name, management class class name is a managed object and cannot be deleted.

Explanation: The indicated backup copy group is a managed object and cannot be deleted on the managed server.

System action: The command fails and server operation continues.

User response: To delete this object, you can delete the subscription to the configuration profiles with which domain domain name is associated.

ANR3208E  command: Archive copy group group name in domain domain name, policy set set name, management class class name is a managed object and cannot be deleted.

Explanation: The indicated archive copy group is a managed object and cannot be deleted on the managed server.

System action: The command fails and server operation continues.
User response: To delete this object, you can delete the subscription to the configuration profiles with which domain domain name is associated.

**ANR3209E** command: Backup copy group group name in domain domain name, policy set set name, management class class name is a managed object and cannot be updated.

Explanation: The indicated backup copy group is a managed object and cannot be updated on the managed server.

System action: The command fails and server operation continues.

User response: To update this object, you can delete the subscription to the configuration profiles with which domain domain name is associated.

**ANR3210E** command: Archive copy group group name in domain domain name, policy set set name, management class class name is a managed object and cannot be updated.

Explanation: The indicated archive copy group is a managed object and cannot be updated on the managed server.

System action: The command fails and server operation continues.

User response: To update this object, you can delete the subscription to the configuration profiles with which domain domain name is associated.

**ANR3211E** command: Client schedule schedule name in domain domain name is a managed object and cannot be deleted.

Explanation: The indicated client schedule is a managed object and cannot be deleted on the managed server.

System action: The command fails and server operation continues.

User response: To delete this object, you can delete the subscription to the configuration profiles with which domain domain name is associated.

**ANR3212E** command: Client schedule schedule name in domain domain name is a managed object and cannot be updated.

Explanation: The indicated client schedule is a managed object and cannot be updated on the managed server.

System action: The command fails and server operation continues.

User response: To update this object, you can delete the subscription to the configuration profiles with which domain domain name is associated.

**ANR3213E** command: Administrative schedule schedule name is a managed object and cannot be deleted.

Explanation: The indicated administrative schedule is a managed object and cannot be deleted on the managed server.

System action: The command fails and server operation continues.

User response: To delete this object, you can delete the subscription to the configuration profiles with which the object is associated.

**ANR3214E** command: Administrative schedule schedule name is a managed object and cannot be updated, except to activate or deactivate the schedule.

Explanation: The indicated administrative schedule is a managed object and cannot be updated on the managed server, except to change the active state of the schedule.

System action: The command fails and server operation continues.

User response: To update this object, you can delete the subscription to the configuration profiles with which the object is associated.

**ANR3215W** Managed domain domain name contains at least one node and cannot be discarded.

Explanation: This message is issued while processing a DELETE SUBSCRIPTION command with DISCARDOBJECTS=YES. The indicated domain cannot be discarded on the managed server because it still contains one or more nodes.

System action: Domain domain name is not deleted. Policy sets, management classes, copy groups, and client schedules belonging to this domain are also not deleted.

User response: Before this domain can be deleted, nodes in the domain must be removed or assigned another domain.

**ANR3216W** Managed administrative schedule schedule name is active and cannot be discarded.

Explanation: This message is issued while processing a DELETE SUBSCRIPTION command with DISCARDOBJECTS=YES. The indicated administrative schedule cannot be discarded on the managed server because it is in the active state.
System action: Administrative schedule *schedule name* is not deleted.

User response: Before this administrative schedule can be deleted, it must be deactivated using the Update Schedule command.

---

**ANR3217E**  command: Administrator *administrator name* is a managed object and cannot be removed.

Explanation: The indicated administrator is a managed object and cannot be removed on the managed server.

System action: The command fails and server operation continues.

User response: To remove this administrator, you can delete the subscription to the configuration profiles with which the object is associated.

---

**ANR3218E**  command: Administrator *administrator name* is a managed object and cannot be updated.

Explanation: The indicated administrator is a managed object and cannot be updated on the managed server.

System action: The command fails and server operation continues.

User response: To update this administrator, you can delete the subscription to the configuration profiles with which the object is associated.

---

**ANR3219E**  command: Administrator *administrator name* is a managed object and cannot be renamed.

Explanation: The indicated administrator is a managed object and cannot be renamed on the managed server.

System action: The command fails and server operation continues.

User response: To rename this administrator, you can delete the subscription to the configuration profiles with which the object is associated.

---

**ANR3220E**  command: Administrator *administrator name* - authority cannot be granted.

Explanation: The indicated administrator is a managed object. Authority cannot be granted to this administrator on the managed server.

System action: The command fails and server operation continues.

User response: To grant authority to this administrator, you can delete the subscription to the configuration profiles with which the object is associated.

---

**ANR3221E**  command: Administrator *administrator name* is a managed object - authority cannot be revoked.

Explanation: The indicated administrator is a managed object. Authority of this administrator cannot be revoked on the managed server.

System action: The command fails and server operation continues.

User response: To revoke authority of this administrator, you can delete the subscription to the configuration profiles with which the object is associated.

---

**ANR3222E**  Managed administrator *administrator name* is the only system administrator and cannot be discarded.

Explanation: This message is issued while processing a DELETE SUBSCRIPTION command with DISCARDOBJECTS=YES. The indicated administrator cannot be discarded on the managed server because it is the only system administrator.

System action: Administrator *administrator name* is not deleted.

User response: To discard this administrator, you must delete the subscription to the configuration profiles with which the object is associated.

---

**ANR3223E**  Managed administrator *administrator name* is currently accessing the server and cannot be discarded.

Explanation: This message is issued while processing a DELETE SUBSCRIPTION command with DISCARDOBJECTS=YES. The indicated administrator cannot be discarded on the managed server because it has an active session with the server.

System action: Administrator *administrator name* is not deleted.

User response: Quit or cancel all sessions for this administrator before discarding the administrator definition.

---

**ANR3224E**  command: Command script *command script name* is a managed object and cannot be deleted.

Explanation: The indicated command script is a managed object and cannot be deleted on the managed server.

System action: The command fails and server operation continues.
User response: To delete this script, you can delete the subscription to the configuration profiles with which the object is associated.

ANR3225E  

command: Command script command
script name is a managed object and cannot be updated.

Explanation: The indicated command script is a managed object and cannot be updated on the managed server.

System action: The command fails and server operation continues.

User response: To update this script, you can delete the subscription to the configuration profiles with which the object is associated.

ANR3226E  

command: Command script command
script name is a managed object and cannot be renamed.

Explanation: The indicated command script is a managed object and cannot be renamed on the managed server.

System action: The command fails and server operation continues.

User response: To rename this script, you can delete the subscription to the configuration profiles with which the object is associated.

ANR3227E  

command: Option set optionset name is a managed object and cannot be deleted.

Explanation: The indicated option set is a managed object and cannot be deleted on the managed server.

System action: The command fails and server operation continues.

User response: To delete this option set, you can delete the subscription to the configuration profiles with which the object is associated.

ANR3228E  

command: Option set optionset name is a managed object and cannot be updated.

Explanation: The indicated option set is a managed object and cannot be updated on the managed server.

System action: The command fails and server operation continues.

User response: To update this option set, you can delete the subscription to the configuration profiles with which the object is associated.

ANR3229E  

command: Command cannot be executed
- option set optionset name is a managed object.

Explanation: The specified command cannot be executed because it would alter the contents of the indicated managed option set.

System action: The command fails and server operation continues.

User response: None.

ANR3230E  

command: Server group group name is a managed object and cannot be deleted.

Explanation: The indicated server group is a managed object and cannot be deleted on the managed server.

System action: The command fails and server operation continues.

User response: To delete this server group, you can delete the subscription to the configuration profiles with which the object is associated.

ANR3231E  

command: Server group group name is a managed object and cannot be updated.

Explanation: The indicated server group is a managed object and cannot be updated on the managed server.

System action: The command fails and server operation continues.

User response: To update this server group, you can delete the subscription to the configuration profiles with which the object is associated.

ANR3232E  

command: Server group group name is a managed object and cannot be renamed.

Explanation: The indicated server group is a managed object and cannot be renamed on the managed server.

System action: The command fails and server operation continues.

User response: To rename this server group, you can delete the subscription to the configuration profiles with which the object is associated.

ANR3233E  

command: Command cannot be executed
- server group group name is a managed object.

Explanation: The specified command cannot be executed because it would alter the membership of the indicated managed server group.

System action: The command fails and server operation continues.

User response: None.
ANR3234E  command: Server server name is a managed object and cannot be deleted.

Explanation: The indicated server is a managed object and cannot be deleted on the managed server.

System action: The command fails and server operation continues.

User response: To delete this object, you can delete the subscription to the configuration profiles with which the object is associated.

ANR3235E  command: Server server name is a managed object - one or more specified attributes cannot be updated.

Explanation: Because the indicated server is a managed object, certain attributes cannot be updated on the managed server. These attributes are: SERVERPASSWORD, HLADDRESS, LLADDRESS, COMMMETHOD, DESCRIPTION, URL, and ALLOWREPLACE.

System action: The command fails and server operation continues.

User response: You can restrict the update to attributes that can be updated on the managed server. For example, the PASSWORD, NODENAME, FORCESYNC, and DELGRACEPERIOD attributes can be updated, even if the server is a managed object. Alternatively, you can delete the subscription to the configuration profiles with which the object is associated, so that the server is no longer a managed object.

ANR3236W  Server server name is currently in use and cannot be discarded.

Explanation: This message is issued while processing a DELETE SUBSCRIPTION command with DISCARDOBJECTS=YES. The indicated server cannot be discarded on the managed server because server name is in use. This could occur if the managed server has an active connection to server name or if the managed server has a device class with DEVTYPE=SERVER that refers to server name.

System action: Server server name is not deleted.

User response: Before server name can be deleted, the managed server must not have a connection to that server and the managed server cannot have any device-class references to that server.

ANR3237W  Server server name is the event server and cannot be discarded.

Explanation: This message is issued while processing a DELETE SUBSCRIPTION command with DISCARDOBJECTS=YES. The indicated server cannot be discarded because it is the event server for the managed server.

ANR3238E  command: This object cannot be renamed because it is associated with one or more configuration profiles.

Explanation: This message is issued on a configuration manager when an attempt is made to rename an object that is associated with one or more configuration profiles. Associated objects cannot be renamed because the enterprise configuration facility does not support renaming of objects.

System action: The command fails and server operation continues.

User response: If you must change the object name you can delete the object, define it with a new name, and then define a profile association to the new object (unless a wildcard profile association already exists). This will cause the object to be deleted and re-defined on managed servers with subscriptions to the profiles with which this object is associated.

ANR3239E  Error rc while creating device class device class.

Explanation: This message is issued when a device class could not be created, because there was an error while processing the device configuration file.

System action: The command fails.

User response: Look in the device configuration file for errors, and look at the activity log for any previous error messages that might help determine the location of these errors in the device configuration file.

ANR3240W  The device class device class only has number of drives drives while the number of streams requested is number of streams.

Explanation: This message is issued when a the NUMSTREAM parameter is being specified with a value higher than the number of drives available to the device class.

System action: The command continues.

User response: The value will be updated as requested. If the number of drives available at the time the database backup is attempted is less than the number of streams, the database backup will be performed using the number of online drives as the number of streams. For example, if the number of available drives is 2 but the NUMSTREAM value had been set to 4, than the database backup will be done using only 2 streams.
ANR3241W  The value specified for server option option 1 is ignored due to the setting of option option 2.

Explanation: The value specified for the first option is ignored because the second option takes precedence.

System action: The default value of the option is used. Server operation continues.

User response: Modify the values for one or both of the server options so that they no longer conflict. Restart the server.

ANR3242E  command: Replication server server Name is currently being deleted by a REMOVE REPLSERVER command.

Explanation: When you issue the REMOVE REPLSERVER command, the replication server that you specify to remove is already in the process of being deleted as a result of a previous REMOVE REPLSERVER command.

System action: The command is stopped by the server.

User response: Issue the QUERY REPLSERVER command to verify the current status of the replication server. Verify that the replication GUID specified is correct for the server you are deleting.

ANR3243E  command: Replication server server Name is currently being deleted by a previous REMOVE REPLSERVER command.

Explanation: When you issue the REPLICATE NODE command, the default replication server is already in the process of being deleted as a result of a previous REMOVE REPLSERVER command.

System action: The command is stopped by the server.

User response: Issue the QUERY REPLSERVER command to verify the current status of the replication server. Update the default replication server with the SET REPLSERVER command.

ANR3244E  Session session number for node node name (client platform) - replication server is currently being deleted by a previous REMOVE REPLSERVER command.

Explanation: At the start of a REPLICATE NODE process on a target server, the replication server is already in the process of being deleted on the target server as a result of a previous REMOVE REPLSERVER command.

System action: The command is stopped by the server.

User response: Issue the QUERY REPLSERVER command to verify the current status of the replication server. Update the default replication server with the SET REPLSERVER command.

ANR3245W  Session session number for node node name (client platform) - no failover connection information found for server server name.

Explanation: During client sign-on, there was no failover server connection information stored. This is caused when you issue the REMOVE REPLSERVER command on the failover server that is defined in the associated node definition. No change is made to the stored failover server connection information in the client option file. The client will fail over to the last known failover server.

System action: Server operation continues.

User response: No action is needed if the failover server in the client option file is still valid. Replicate the node to the default target replication server in order to update the node's failover server.

ANR3246W  Process process ID skipped Num Files files on volume Volume name because the files have been deleted.

Explanation: Some of the files that were encountered during the move operation were skipped because they have already been deleted.

System action: The operation skips the files without making copies and continues.

User response: None.

ANR3247W  Process process ID skipped Num Files files on volume Volume name because of pending fragments.

Explanation: Some of the files that were encountered during the move operation were skipped because they contained pending fragments.

System action: The operation skips the files without making copies and continues.

User response: Retry the operation at a later time when the fragments are not pending.

ANR3248W  Process process ID skipped Num Files files on volume Volume name because it was unable to lock all segments.

Explanation: The files were skipped because the process was unable to lock all segments of the files.

System action: The operation skips the files without making copies and continues.

User response: Retry the operation.
ANR3350W  Locally defined domain *domain name* contains at least one node and cannot be replaced with a definition from the configuration manager.

**Explanation:** During configuration refresh processing the indicated locally defined domain could not be replaced with a definition from the configuration manager. The domain definition was not replaced because the domain still contains one or more assigned nodes.

**System action:** Refresh processing continues, but this domain is not replaced. The system will attempt to replace the local domain during later configuration refresh operations.

**User response:** If you want existing nodes to be assigned to the domain from the configuration manager, you can temporarily assign them to another domain. After the domain definition has successfully been propagated from the configuration manager, reassign the nodes to the new domain. Alternatively, if you want to prevent further attempts to replace the local domain definition during configuration refresh processing, delete the subscription to the profiles with which domain *domain name* is associated.

ANR3351W  Managed domain *domain name* contains at least one node and cannot be deleted during configuration refresh processing.

**Explanation:** During configuration refresh processing, the enterprise configuration facility attempted to remove the indicated domain because it has been deleted from the configuration manager or because the profile association no longer exists. The domain could not be deleted on the managed server because it still contains one or more nodes.

**System action:** Refresh processing continues, but this domain is not deleted. The system will attempt to delete the domain during later configuration refresh operations.

**User response:** Assign nodes in this domain to another domain. Alternatively, you can delete the subscription to the profiles with which domain *domain name* is associated.

ANR3352W  Locally defined domain *domain name* replaced during configuration refresh processing.

**Explanation:** During configuration refresh processing, a local domain definition was replaced with a definition from the configuration manager. The system also deleted all policy sets, management classes, copy groups, and client schedules belonging to the locally defined domain and added definitions from the configuration manager.

**System action:** None.

ANR3353I  Managed domain *domain name* deleted during configuration refresh processing.

**Explanation:** During configuration refresh processing, the indicated managed domain was removed from the managed server. This occurred either because the domain has been deleted from the configuration manager or because the profile association no longer exists. The system also deleted all policy sets, management classes, copy groups, and client schedules belonging to the managed domain.

**System action:** None.

**User response:** None.

ANR3354W  Locally defined administrative schedule *schedule name* is active and cannot be replaced with a definition from the configuration manager.

**Explanation:** During configuration refresh processing the indicated locally defined administrative schedule could not be replaced with a definition from the configuration manager. The schedule definition was not replaced because the schedule is in the active state.

**System action:** Refresh processing continues, but this administrative schedule is not replaced. The system will attempt to replace the local administrative schedule during later configuration refresh operations.

**User response:** If you want this administrative schedule to be replaced with the schedule definition from the configuration manager, deactivate the local schedule using the Update Schedule command. After the administrative schedule definition has successfully been propagated from the configuration manager, you can activate the new schedule. Alternatively, if you want to prevent further attempts to replace the local schedule definition during configuration refresh processing, delete the subscription to the profiles with which the schedule name is associated.

ANR3355W  Managed administrative schedule *schedule name* is active and cannot be deleted during configuration refresh processing.

**Explanation:** During configuration refresh processing, the enterprise configuration facility attempted to remove the indicated administrative schedule because it has been deleted from the configuration manager or because the profile association no longer exists. The schedule could not be deleted on the managed server because the schedule is in the active state.

**System action:** Refresh processing continues, but this schedule is not deleted. The system will attempt to delete the administrative schedule during later configuration refresh operations.
User response: If you want this administrative schedule to be deleted in accordance with changes that have been made on the configuration manager, deactivate the managed schedule using the Update Schedule command. Alternatively, if you want to prevent further attempts to delete the managed schedule definition during configuration refresh processing, delete the subscription to the profiles with which the schedule name is associated.

**ANR3356I** Locally defined administrative schedule

**Explanation:** During configuration refresh processing, a local administrative schedule definition was replaced with a definition from the configuration manager.

**System action:** None.

**User response:** None.

**ANR3357I** Managed administrative schedule

**Explanation:** During configuration refresh processing, the indicated managed administrative schedule was removed from the managed server. This occurred either because the schedule has been deleted from the configuration manager or because the profile association no longer exists.

**System action:** None.

**User response:** None.

**ANR3358W** Locally defined administrator

**Explanation:** During configuration refresh processing the indicated locally defined administrator could not be replaced with a definition from the configuration manager. The administrator definition was not replaced because it is the only system administrator and the definition from the configuration manager does not include system authority.

**System action:** Refresh processing continues, but this administrator definition is not replaced. The system will attempt to replace the local administrator definition during later configuration refresh operations.

**User response:** If you want this administrator definition to be replaced with a definition from the configuration manager, you can grant system authority to another administrator. Alternatively, if you want to prevent further attempts to replace the local administrator definition during configuration refresh processing, delete the subscription to the profiles with which administrator administrator name is associated.

**ANR3359W** Managed system administrator

**Explanation:** During configuration refresh processing, the enterprise configuration facility attempted to remove the indicated administrator because it has been deleted from the configuration manager or because the profile association no longer exists. The administrator could not be deleted on the managed server because it is the only system administrator.

**System action:** Refresh processing continues, but this administrator is not deleted. The system will attempt to delete the administrator during later configuration refresh operations.

**User response:** Grant system authority to another administrator. Alternatively, you can delete the subscription to the profiles with which administrator administrator name is associated.

**ANR3360W** Managed system administrator

**Explanation:** During configuration refresh processing, the enterprise configuration facility attempted to revoke authority for the indicated administrator because authority has been revoked on the configuration manager. The authority of the administrator could not be revoked on the managed server because this is the only system administrator.

**System action:** Refresh processing continues, but authority is not revoked for this administrator. The system will attempt to revoke administrator during later configuration refresh operations.

**User response:** Grant system authority to another administrator. Alternatively, you can delete the subscription to the profiles with which administrator administrator name is associated.

**ANR3361I** Locally defined administrator

**Explanation:** During configuration refresh processing, a local administrator definition was replaced with a definition from the configuration manager.

**System action:** None.

**User response:** None.
<table>
<thead>
<tr>
<th>ANR3362I</th>
<th>Managed administrator administrator name deleted during configuration refresh processing.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During configuration refresh processing, the indicated managed administrator was removed from the managed server. This occurred either because the administrator has been deleted from the configuration manager or because the profile association no longer exists.</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>ANR3363W</th>
<th>Managed administrator administrator name is currently accessing the server and cannot be deleted during configuration refresh processing.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During configuration refresh processing, the enterprise configuration facility attempted to remove the indicated administrator because it has been deleted from the configuration manager or because the profile association no longer exists. The administrator could not be deleted on the managed server because it currently has an active session with the server.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Refresh processing continues, but this administrator is not deleted. The system will attempt to delete the administrator during later configuration refresh operations.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Quit or cancel all sessions for the indicated administrator. Alternatively, you can delete the subscription to the profiles with which administrator administrator name is associated.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR3364W</th>
<th>Administrator administrator name has been removed. This administrator has defined or updated administrative schedules that will fail when executed.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This message is issued during configuration refresh processing or as a result of a DELETE SUBSCRIPTION command with the DISCARDOBJECTS=YES option. The indicated managed administrator was removed from the server, but this administrator owns one or more administrative schedules. These schedules will fail when executed in the future because they do not belong to a valid administrator.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The indicated administrator was removed.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Use the QUERY SCHEDULE command OR an SQL SELECT statement on the ADMIN_SCHEDULES table to determine which schedules were last updated by the administrator. Use the UPDATE SCHEDULE command to update those schedules under an administrator that has authority to execute them, or use the DELETE SCHEDULE command to remove the schedules.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR3365I</th>
<th>Locally defined command script command script name replaced during configuration refresh processing.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During configuration refresh processing, a local command script definition was replaced with a definition from the configuration manager.</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>ANR3366I</th>
<th>Managed command script command script name deleted during configuration refresh processing.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During configuration refresh processing, the indicated managed command script was removed from the managed server. This occurred either because the script has been deleted from the configuration manager or because the profile association no longer exists.</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>ANR3367I</th>
<th>Locally defined option set option set name replaced during configuration refresh processing.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During configuration refresh processing, a local option set definition was replaced with a definition from the configuration manager.</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>ANR3368I</th>
<th>Managed option set option set name deleted during configuration refresh processing.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During configuration refresh processing, the indicated managed option set was removed from the managed server. This occurred either because the option set has been deleted from the configuration manager or because the profile association no longer exists.</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>ANR3369I</th>
<th>Locally defined server group group name replaced during configuration refresh processing.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During configuration refresh processing, a local server group definition was replaced with a definition from the configuration manager.</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>
ANR3370I Managed server group *group name* deleted during configuration refresh processing.

**Explanation:** During configuration refresh processing, the indicated managed server group was removed from the managed server. This occurred either because the server group has been deleted from the configuration manager or because the profile association no longer exists.

**System action:** None.

**User response:** None.

ANR3371W Server group *group name* cannot be defined during configuration refresh processing because a server already exists with this name.

**Explanation:** During configuration refresh processing, the enterprise configuration facility attempted to define the indicated server group on a managed server. The server group could not be defined because a server definition with the same name already exists on the managed server.

**System action:** Refresh processing continues, but this server group is not defined. The system will attempt to define the server group during later configuration refresh operations.

**User response:** You can delete the subscription to the profile with which the indicated server group is associated or delete the conflicting server definition on the managed server. Alternatively, you can rename the server group on the configuration manager, after first deleting the profile association for that server group.

ANR3372I Locally defined server *server name* replaced during configuration refresh processing.

**Explanation:** During configuration refresh processing, a local server definition was replaced with a definition from the configuration manager.

**System action:** None.

**User response:** None.

ANR3373I Server *server name* deleted during configuration refresh processing.

**Explanation:** During configuration refresh processing, the definition for managed object *server name* was removed from the managed server. This occurred either because *server name* has been deleted from the configuration manager or because the profile association no longer exists.

**System action:** None.

**User response:** None.

ANR3374I Server group *group name* replaced with server *server name* during configuration refresh processing.

**Explanation:** During configuration refresh processing, a server group definition was replaced with a server definition from the configuration manager. The server has the same name as the deleted server group.

**System action:** None.

**User response:** None.

ANR3375W Server *server name* is currently in use cannot be deleted during configuration refresh processing.

**Explanation:** During configuration refresh processing, the enterprise configuration facility attempted to remove the indicated server definition because it has been deleted from the configuration manager or because the profile association no longer exists. The indicated server could not be deleted on the managed server because *server name* is in use. This could occur if the managed server has an active connection to *server name* or if the managed server has a device class with DEVTYPE=SERVER that refers to *server name*.

**System action:** Refresh processing continues, but this server definition is not deleted. The system will attempt to delete the server during later configuration refresh operations.

**User response:** Before *server name* can be deleted, the managed server must not have a connection to that server and the managed server cannot have any device-class references to that server.

ANR3376W Server *server name* is the event server and cannot be deleted during configuration refresh processing.

**Explanation:** During configuration refresh processing, the enterprise configuration facility attempted to remove the indicated server definition because it has been deleted from the configuration manager or because the profile association no longer exists. The indicated server could not be deleted on the managed server because it is the event server for the managed server.

**System action:** Refresh processing continues, but this server definition is not deleted. The system will attempt to delete the server during later configuration refresh operations.

**User response:** Before *server name* can be deleted, the DELETE EVENTSERVER command must be used to remove the event server reference to *server name*. 
ANR3377W — Replacement of local server _server name_ with a definition from the configuration manager is not allowed.

**Explanation:** During configuration refresh processing, the enterprise configuration facility attempted to replace the indicated server definition with a definition from the configuration manager. This operation could not be performed because ALLOWREPLACE=NO for the indicated server.

**System action:** Refresh processing continues, but this server definition is not replaced. The system will attempt to replace the server definition during later configuration refresh operations.

**User response:** Before the local server definition for _server name_ can be replaced with a definition from the configuration manager, the UPDATE SERVER command must be used to set the ALLOWREPLACE attribute to ON.

ANR3378I — Administrator _administrator name_ added during configuration refresh processing.

**Explanation:** During configuration refresh processing, the indicated administrator definition was created based on information from the configuration manager.

**System action:** None.

**User response:** None.

ANR3379E — Command: Unable to access pool _pool name_ - access mode is set to "read only".

**Explanation:** The command shown specifies the pool whose name is displayed, but the pool cannot be accessed because its status is read only.

**System action:** The server does not process the command.

**User response:** Either reset the access state of the pool or choose another pool and reissue the command.

ANR3380E — Command: Unable to access pool _pool name_ - access mode is set to "unavailable".

**Explanation:** The command shown specifies the pool whose name is displayed, but the pool cannot be accessed because its status is unavailable.

**System action:** The server does not process the command.

**User response:** Either reset the access state of the pool or choose another pool and reissue the command.

ANR3400I — Command: Output stream _stream_ used volume _volume name_.

**Explanation:** The specified output stream used the specified volume.

**System action:** The command continues.

**User response:** None.

ANR3401I — Command: Output stream _stream_ did not write to any output volumes.

**Explanation:** The specified output stream did not write to any output volumes.

**System action:** The command continues.

**User response:** None.

ANR3402I — Extractdb command: Process _process number_, database extract, has completed.

**Explanation:** The database extract process _process number_ has completed.

**System action:** Database extract processing ends.

**User response:** None.

ANR3403I — Extractdb command: Found number of database objects _database objects_.

**Explanation:** This message indicates the total number of database objects that were found during database extract processing.

**System action:** Server processing continues.

**User response:** None.

ANR3404I — Extractdb command: Processed number of database objects _database objects_.

**Explanation:** This message indicates the total number of database objects that were successfully processed during database extract processing.

**System action:** Server processing continues.

**User response:** None.

ANR3405I — Extractdb command: Skipped number of database objects _empty database objects_.

**Explanation:** This message indicates the total number of database objects that were skipped during database extract processing because they contained no records.

**System action:** Server processing continues.

**User response:** None.
ANR3406I Extractdb command: Failed to process number of database objects database objects.

Explanation: This message indicates the total number of database objects that were not successfully processed during database extract processing.

System action: Server processing continues.

User response: None.

ANR3407I Extractdb command: Processed number of database records database records.

Explanation: This message indicates the total number of database records that were successfully extracted during database extract processing.

System action: Server processing continues.

User response: None.

ANR3408I Extractdb command: Wrote number of bytes bytes.

Explanation: This message indicates the total number of bytes that were successfully written during database extract processing.

System action: Server processing continues.

User response: None.

ANR3409I Extractdb command: Elapsed time was elapsed time.

Explanation: This message indicates the total amount of time that elapsed during database extract processing.

System action: Server processing continues.

User response: None.

ANR3410I Extractdb command: Throughput was megabytes per hour megabytes per hour.

Explanation: This message indicates the total throughput (megabytes/hour) during database extract processing.

System action: Server processing continues.

User response: None.

ANR3411I Extractdb command: Extracted number of database records database entries and wrote number of bytes bytes in elapsed time (megabytes per hour megabytes per hour).

Explanation: The command read the indicated number of database records, and wrote the indicated number of bytes.

System action: Server processing continues.

User response: None.

ANR3412I Extractdb command: Terminating output stream stream number due to error on server server name.

Explanation: An error was encountered on the target server during a server-to-server upgrade process, resulting in the termination of the output stream being used to send database information to the target server.

System action: The command terminates.

User response: Refer to the target server's messages for a description of the error. Correct the error and rerun the command.

ANR3413W Extractdb command: Encountered an unexpected table, table name. The table will be skipped.

Explanation: The database extract process encountered a table that it did not expect. In most cases, an unexpected table is one that was used in an earlier release, but which is no longer used in the current release. Such tables can be safely ignored by the database extract process. However, in rare cases, this may indicate a programming error. As such, you should contact your service representative to confirm whether the table may be ignored without affecting the success of the upgrade process.

System action: Database extract processing continues. Data from the specified table is not extracted.

User response: Contact your service representative to confirm whether the specified table can be safely ignored.

ANR3414E Extractdb command: Process process number, database extract, has completed with errors.

Explanation: The database extract process process number has completed, but errors were encountered by the process.

System action: Database extract processing ends.

User response: Review any messages that were issued by the process, and take corrective action as appropriate.

ANR3470I Command: Auditing enterprise configuration definitions.

Explanation: The server has started to audit database definitions used by the enterprise configuration facility.

System action: Server database audit operation continues.

User response: None.
ANR3471E  Audit command: Enterprise configuration
global attributes are missing.

Explanation: A database audit process finds that the
global attributes used by the enterprise configuration
facility are missing.

System action: Audit processing continues.

User response: Reissue the audit command with
FIX=YES specified so that the enterprise configuration
global attributes can be recreated.

ANR3472I  Audit command: Enterprise configuration
global attributes are missing - attributes will be recreated using available
database information or default values.

Explanation: A database audit process finds that the
global attributes used by the enterprise configuration
facility are missing. Because FIX=YES has been
specified on the AUDIT command, these attributes will
be recreated using available information from the
database or default values.

System action: Audit processing continues.

User response: When the audit completes, you can
use the QUERY STATUS command to examine the
values set for the enterprise configuration global
attributes. Then use the appropriate SET command to
change the attributes, if desired.

ANR3473E  Audit command: Enterprise configuration
global attribute(s) are incorrect.

Explanation: A database audit process finds that
global attributes used by the enterprise configuration
facility are incorrect.

System action: Audit processing continues.

User response: Reissue the audit command with
FIX=YES so that the information can be corrected.

ANR3474I  Audit command: Enterprise configuration
global attribute(s) are incorrect - attributes will be corrected using available
database information or default values.

Explanation: A database audit process finds that
global attributes used by the enterprise configuration
facility are incorrect. Because FIX=YES has been
specified on the AUDIT command, these attributes will
be corrected using available information from the
database or default values.

System action: Audit processing continues.

User response: None.

ANR3475E  Audit command: Extraneous profile
information found.

Explanation: A database audit process finds
extraneous configuration profile information.

System action: Audit processing continues.

User response: Reissue the audit command with
FIX=YES so that the information is deleted.

ANR3476I  Audit command: Extraneous profile
information found - information will be
deleted.

Explanation: A database audit process finds
extraneous configuration profile information. Because
FIX=YES has been specified for the audit command, the
extraneous information will be deleted.

System action: Audit processing continues.

User response: None.

ANR3477E  Audit command: Profile information is
inconsistent.

Explanation: A database audit process detects
inconsistent configuration profile information. This
information can be corrected.

System action: Audit processing continues.

User response: Reissue the audit command with
FIX=YES so that the information can be corrected.

ANR3478E  Audit command: Profile information is
inconsistent - it will be corrected.

Explanation: A database audit process detects
inconsistent configuration profile information. Because
FIX=YES has been specified for the audit command, the
information will be corrected.

System action: Audit processing continues.

User response: None.

ANR3479E  Audit command: Profile association
information is missing.

Explanation: A database audit process detects missing
profile association information. This information can be
recreated.

System action: Audit processing continues.

User response: Reissue the audit command with
FIX=YES so that the information can be recreated.
ANR3480E  Audit command: Profile association information is missing - it will be recreated.

Explanation: A database audit process detects missing profile association information. Because FIX=YES has been specified for the audit command, the information will be recreated.

System action: Audit processing continues.
User response: None.

ANR3481E  Audit command: Extranous profile association information found.

Explanation: A database audit process finds extraneous profile association information.

System action: Audit processing continues.
User response: Reissue the audit command with FIX=YES so that the information is deleted.

ANR3482E  Audit command: Extranous profile association information found - information will be deleted.

Explanation: A database audit process finds extraneous profile association information. Because FIX=YES has been specified for the audit command, the extraneous information will be deleted.

System action: Audit processing continues.
User response: None.

ANR3483E  Audit command: Subscription information is inconsistent.

Explanation: A database audit process detects inconsistent profile subscription information. This information can be corrected.

System action: Audit processing continues.
User response: Reissue the audit command with FIX=YES so that the information can be corrected.

ANR3484E  Audit command: Profile subscription information is inconsistent - it will be corrected.

Explanation: A database audit process detects inconsistent profile subscription information. Because FIX=YES has been specified for the audit command, the information will be corrected.

System action: Audit processing continues.
User response: None.

ANR3485E  Audit command: Profile subscriptions were found to more than one configuration manager.

Explanation: A database audit process determines that a managed server has subscriptions to more than one configuration manager. This may cause the enterprise configuration facility to behave in an unpredictable manner.

System action: Audit processing continues.
User response: Delete subscriptions for all but one configuration manager. To do this, it may be necessary to delete subscriptions to all configuration managers and then define the desired subscriptions.

ANR3486I  CANCEL SESSION ALL command processing ended sooner than expected.

Explanation: It is possible that the server was unable to cancel all sessions because a session was encountered that could not be cancelled. Some sessions may still remain active after the command completes.

System action: Server operation completes.
User response: Specify a session_number with the CANCEL SESSION command to cancel a specific CLIENT session. If a SERVER session is active, the partner server must be quiesced for the session to end. The SERVER session may be active with a Storage Agent, Library Client, Library Server or Virtual Volume server. To prevent new sessions from starting, see the DISABLE SESSIONS command.

ANR3487E  Command: The number of administrators exceed the maximum number allowed.

Explanation: The number of administrators that can receive alert summary by email is limited to three.

System action: The command fails.
User response: Reissue the command specifying a maximum of three registered administrator names.

ANR3488W  Command: The administrator administrator name does not have an email address.

Explanation: The administrator does not have an email address defined. The specified administrator cannot receive email from the server until a valid email address is defined.

System action: The command processing continues.
User response: Issue UPDATE ADMIN command to define the email address and reissue the command.
ANR3489I  Command completed successfully.

Explanation: The specified SET command completed successfully.

System action: None.

User response: None.

ANR3490E  Command completed with failure.

Explanation: The specified SET command did not complete successfully.

System action: The server ignores the command.

User response: Verify that values are valid and reissue the command.

ANR3491E  No sender email address found - unable to send email for alert, message num.

Explanation: The server is unable to send an email to the administrators for the specified alert because an email address of the sender could not be found.

System action: Server operation continues.

User response: Use the QUERY MONITORSETTINGS command to display the current sender’s email address. Use the SET ALERTEMAILFROMADMIN command to specify a valid sender email address.

ANR3492W  Command: Administrator administrator name is not configured to receive alerts by email.

Explanation: The specified administrator name is not set up to receive alerts by email. Alerts cannot be sent to the administrator until it is configured to receive alerts by email.

System action: Server operation continues.

User response: Use QUERY ADMIN FORMAT=DETAIL to display the current settings for the administrator. Verify that the administrator has ALERT=YES and has a valid email address. Use the UPDATE ADMIN command to update the settings.

ANR3493E  Error sending an email for alert msg number to the administrator with email address email address using the SMTP server name SMTP host server and SMTP port port number.

Explanation: An email about an alert was not sent successfully to the administrator with the specified email address.

System action: Server operation continues.

User response: Use QUERY MONITORSETTING command to see the current settings for emailing an alert. Check that the administrator’s email address and SMTP host server name are correct. Check that the SMTP port is correct. Fix any incorrect settings. The next alert that is triggered will use the new configuration settings. You can also check the server’s ffdc log for any additional information about the error.

ANR3494E  Command: No administrators added or deleted for the alert trigger.

Explanation: The specified command has been issued but no administrators are added or deleted for the alert trigger.

System action: Server operation continues, but the command has no effect.

User response: If you are adding an administrator reissue the command specifying an administrator name that is registered on the server. If you are deleting an administrator reissue the command specify one of the administrator names defined to the alert trigger.

ANR3495I  Command: Administrator admin name is not defined to alert trigger.

Explanation: The administrator name cannot be deleted because it is not defined to the specified alert trigger.

System action: The administrator name is skipped and the server operation continues.

User response: Reissue the command specifying an administrator name that is defined to the alert trigger.

ANR3500I  Backup set for node node name as set name (data type data type) being generated.

Explanation: The named object set is being created for the specified node.

System action: The server generates a backup set.

User response: None.

ANR3501I  Backup set for node name as set name (data type data type) completed successfully - processed files files.

Explanation: The named object set was successfully created for the specified node. The number of files processed is specified.

System action: None.

User response: None.

ANR3502W  Backup set for node name as set name (data type data type) completed with file processing errors - processed files files with error files files skipped.

Explanation: The named object set was successfully created for the specified node. The number of files processed is specified. The number of files with errors is specified.

System action: None.

User response: None.
ANR3503E  ANR3510E

created for the specified node. However, during processing errors were encountered accessing some files - these files were skipped.

**System action:** None.

**User response:** Evaluate other server messages for an indication of why the files were skipped. Files can be skipped because of failures locking those files, having no files to process, or for other more serious problems. First, retry the command and see if it completes without any skipped files. If you are unable to generate the backup set without skipping files, please contact your local service representative for assistance.

### ANR3503E  Generation of backup set for node name as set name (data type data type) failed.

**Explanation:** The named object for the specified node was not created. An error was encountered causing the creation of this object set not to complete successfully.

**System action:** Server operation continues.

**User response:** Evaluate other messages that were issued and try to determine the cause of the failure. After determining the cause of the failure, retry the command. If the cause can not be determined, please contact your local service representative.

If ANR3504W was received, than an error occurred while logging the volumes used to the server volume history. It is possible to issue a DEFINE BACKUPSET listing these volumes. That would cause the server to create the necessary entries for this backup set on this server.

### ANR3504W  Backup set for node name as set name was not able to log the volumes used for this operation to the server volume history.

**Explanation:** The named object for the specified node was created. However, when the process attempted to add the volumes, used for this operation to the volume history for the server, an error occurred and this could not be completed.

**System action:** Server operation continues.

**User response:** Review other messages issued to determine which volumes were used to generate this backup set. The volumes can be inserted into the server volume history for use by issuing a DEFINE BACKUPSET and listing these volumes. This will also allow this backup set to be queried from a client as well since there is not a server entry for this backup set. Only issue the DEFINE BACKUPSET if this generate backup set operation completed successfully.

### ANR3505I  Backup set for node name as set name used volume volume name.

**Explanation:** The named object for the specified node used the specified volume.

**System action:** Server operation continues.

**User response:** None.

### ANR3507I  Cancel in progress

**Explanation:** This message is displayed in response to a QUERY PROCESS command, and indicates that a generate backupset process has been canceled. The process will end shortly.

**System action:** The process terminates and server operation continues.

**User response:** None.

### ANR3508W  Generation of backup set for node name as set name (data type data type) failed - no filesystems to process.

**Explanation:** The named object for the specified node was not created. No filesystems were available to process.

**System action:** Server operation continues.

**User response:** Reissue the command against a node that has filesystems associated with it. If no filesystems exist for a given node, than there is no file data to write to the backupset.

### ANR3509E  Command: Error encountered in accessing data storage - device class device class name is not defined.

**Explanation:** During command command processing, an error occurred because the specified device class is not defined.

**System action:** The command command is ended and server operation continues.

**User response:** Make sure the specified device class is defined.

### ANR3510E  Command: Error encountered in accessing data storage - disk volume specified.

**Explanation:** During command command processing, an error occurred because a specified volume is a disk volume rather than a tape volume.

**System action:** The command command is ended and server operation continues.

**User response:** Make sure that all volumes specified for the command command are tape volumes.
ANR3511E  Command: Error encountered in accessing data storage - invalid volume name specified.

Explanation: The server encounters an error in accessing data storage while processing command command. The error occurred because an attempt has been made to access a volume with an invalid name.

System action: The command command operation is ended and server operation continues.

User response: Issue the command with a valid volume name.

ANR3512E  Command: Error encountered in accessing data storage - insufficient number of mount points available for removable media.

Explanation: During command command processing, the server cannot allocate sufficient mount points.

System action: The command command operation is ended and server operation continues.

User response: If necessary, make more mount points available.

ANR3513E  Command: Output error encountered in accessing data storage.

Explanation: The command command operation ends because an error has been encountered by the server in writing to a device. Possible reasons include:

- I/O error writing to a device
- No storage space.

System action: The command command operation ends and server operation continues.

User response: Query the activity log to find messages preceding this one to determine the cause of the error. After the problem is corrected, the command can be retried.

ANR3514E  Command: Data transfer was interrupted in accessing data storage.

Explanation: The database transaction associated with command command operation failed because data transfer to or from data storage was interrupted by an external event.

System action: The command command operation is ended and server operation continues.

User response: Examine the messages issued prior to this message to determine why the data transfer was interrupted. Reissue the command command after the problem is resolved.

ANR3515E  Command: Error encountered in accessing data storage - volume already in use.

Explanation: During command command processing, a volume cannot be used because it is already defined in a storage pool, or has been previously used by an export, database dump, or database backup operation (as recorded in the volume history) or is in use by another process.

System action: The command command operation is ended and server operation continues.

User response: Specify a volume that is not in use or defined in a storage pool, and that has not been previously used for an export, database dump, or database backup operation as recorded in the server volume history information. Use the QUERY VOLUME command to display the names of volumes that are defined to server storage pools. Use the QUERY VOLHISTORY command to display the names of volumes that have been used for export, database dump, or database backup operations.

ANR3516E  Command: Out of space on sequential media, scratch media could not be mounted.

Explanation: During command command processing, the process encounters an out-of-space condition writing to the sequential media. Command command ends when there is no more space on the sequential media for storing data and SCRATCH=NO has been specified on command command.

System action: Command command processing ends. Server processing continues.

User response: Reissue the command and specify SCRATCH=YES or specify additional volume names on the command.

ANR3517E  Command: Error encountered in accessing data storage - required volume was not mounted.

Explanation: During command command processing, a required volume cannot be mounted. The mount request may have been canceled.

System action: The command command operation is ended and server operation continues.

User response: Issue the command again and make sure the necessary volumes are accessible.

ANR3518I  Command: Processing canceled before completion.

Explanation: The background process to service the command command has been canceled with the CANCEL PROCESS command.

System action: Processing for the command command
ends. Statistics on the number and type of objects moved, together with the total number of bytes copied, are displayed on the server console following this message.

**User response:** None.

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**ANR3519E**  
**Command:** Insufficient memory available in accessing data storage.

**Explanation:** The server encounters a memory shortage in accessing data storage during command *command* operation.

**System action:** The command *command* operation ends and server operation continues.

**User response:** See the documentation for the operating system about how to increase memory for an application.

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**ANR3520E**  
**Command:** Internal error encountered in accessing data storage.

**Explanation:** The server encounters an internal error in accessing data storage while processing command *command* operation.

**System action:** The command *command* operation is ended and server operation continues.

**User response:** Use the QUERY ACTLOG command to examine messages prior to this error to determine the cause of the data storage failure. If the failure can be found and resolved, reissue the command *command* operation. If the failure cannot be found, contact your service representative for assistance in resolving the problem.

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**ANR3521W**  
**BackupSet command:** Data storage retrieve or restore failed - file was deleted from data storage during retrieval.

**Explanation:** The server ends a file retrieval operation for the specified command because the file has been deleted from data storage by another process before retrieval is complete.

**System action:** The server ends the command and continues operation.

**User response:** Contact your administrator to find out if DELETE FILESPACE, DELETE VOLUME, or inventory expiration processes are running; these processes can delete data storage files during retrieval. Reissue the command after these processes have been completed or canceled.

---

**ANR3523W**  
**Backup set command:** Retrieve failed - error on input storage device.

**Explanation:** The server ends a backup set operation for the specified session because an I/O error has been encountered by the server in reading from a device. The object for which the I/O was issued is reported in a later message.

**System action:** Backup set processing skips this file, and continues operation.

**User response:** Query the activity log to find messages preceding this one that specify the device that is failing. Storage pool volumes can be varied offline (by using the VARY OFFLINE command), or the server may need to be shut down with the HALT command to correct the hardware problem.

---

**ANR3524W**  
**Backup set command:** Transaction failed - data transfer interrupted.

**Explanation:** The database transaction associated with a backup set operation failed because data transfer to or from data storage was interrupted by an external event.

**System action:** The backup set operation is ended and server operation continues.

**User response:** Examine the messages issued prior to this message to determine why the data transfer was interrupted. Attempt the backup set operation again after problem is resolved.

---

**ANR3525W**  
**Backup set command:** Transaction failed - storage media inaccessible.

**Explanation:** The server ends a transaction for a backup set operation because storage volumes are not available in the storage pools in which the client files are to be stored.

**System action:** The server ends the backup set operation and server operation continues.
User response: An authorized administrator can issue the DEFINE VOLUME command to add storage to one or more storage pools in the storage hierarchy. The VARY ONLINE command can be used to vary offline storage volumes online in the storage hierarchy to make them available for file storage.

**ANR3526E**  
*Backup set command: Error encountered in accessing data storage - volume cannot be used.*

Explanation: During backup set processing, a volume has been mounted but cannot be used.

System action: The backup set operation is ended and server operation continues.

User response: Query the activity log for messages preceding this one that give additional information. Make sure a usable volume is specified and mounted.

**ANR3527E**  
*Backup set command operation terminated - it is acting on an empty volume or volume content is not as expected.*

Explanation: The volume content this command is acting upon is not as expected, the volume is empty, or the volume cannot be found.

System action: The command operation is ended.

User response: Issue the command again and make sure the expected content is in the volumes or the volume is not empty and exists.

**ANR3528E**  
*Backup set command: Media not accessible in accessing data storage.*

Explanation: The server ends a transaction for a backup set operation because storage volumes are not available in the storage pools in which the client files are to be stored.

System action: The server ends the backup set operation and server operation continues.

User response: An authorized administrator can issue the DEFINE VOLUME command to add storage to one or more storage pools in the storage hierarchy. The VARY ONLINE command can be used to vary offline storage volumes online in the storage hierarchy to make them available for file storage.

**ANR3529W**  
*Generate backupset skipping damaged file on volume volume name: Node node name, Type file type, File space filesystem name, fsId filesystem id, File name file name.*

Explanation: The backup set generation process encountered a file that was previously found to be damaged. The process encountered the file during a sequential scan of all files on the storage pool volume; the indicated file may or may not have been a candidate for inclusion in the backup set.

If this file is part of an aggregate, it may have been previously marked as damaged because an integrity error was detected in some other file within the same aggregate. AUDIT VOLUME can determine if this is the case, and if so, will reset the damaged state for the file.

**ANR3530E**  
*Audit command: A missing, incorrect, or invalid collocation group has been detected.*

Explanation: A database audit process found a missing, incorrect, or invalid collocation group.

System action: Audit processing continues.

User response: Issue the audit command again, and specify FIX=YES so that the error can be corrected.

**ANR3531E**  
*Audit command: A missing or incorrect collocation group has been detected; it will be corrected.*

Explanation: A database audit process found a missing, incorrect, or invalid collocation group. Because FIX=YES has been specified for the audit command, the error will be corrected.

System action: Audit processing continues.

User response: None.

**ANR3532E**  
*Audit command: Missing or incorrect collocation group identifier for collocation group collocation group name has been detected.*

Explanation: A database audit process detects an
invalid, missing, or incorrect collocation group identifier.

**System action:** Audit processing continues.

**User response:** Issue the audit command again and specify FIX=YES so that the error can be corrected.

---

**ANR3533E**  
**Audit command:** Missing or incorrect collocation group id detected for collocation group name - it will be corrected.

**Explanation:** A database audit process detects missing or incorrect information for a collocation group. Because FIX=YES has been specified for the audit command, the error will be corrected.

**System action:** Audit processing continues.

**User response:** None.

---

**ANR3534E**  
**Audit command:** Missing or incorrect collocation group name for collocation group id collocation group id has been detected.

**Explanation:** A database audit process finds a missing or incorrect collocation group name.

**System action:** Audit processing continues.

**User response:** Issue the audit command again, and specify FIX=YES so that the error can be corrected.

---

**ANR3535E**  
**Audit command:** Missing or incorrect collocation group name has been detected for collocation group id collocation group id - it will be corrected.

**Explanation:** A database audit process detects missing or incorrect information for a collocation group. Because FIX=YES has been specified for the audit command, the error will be corrected.

**System action:** Audit processing continues.

**User response:** None.

---

**ANR3536E**  
**Audit command:** Inconsistent information detected in collocation group (Aggregate.ID).

**Explanation:** A database audit process finds inconsistent information for a collocation group. This problem cannot be corrected by the audit process.

**System action:** Audit processing continues.

**User response:** Contact your service representative.

---

**ANR3537E**  
**Audit command:** A missing or incorrect collocation group member has been detected for collocation group ID collocation group ID.

**Explanation:** A database audit process detects a missing or incorrect member for a collocation group.

**System action:** Audit processing continues.

**User response:** Issue the audit command again, and specify FIX=YES so that the error can be corrected.

---

**ANR3538E**  
**Audit command:** A missing or incorrect collocation group member has been detected for collocation group ID collocation group ID - it will be corrected.

**Explanation:** A database audit process detects a missing or incorrect member for a collocation group. Because FIX=YES has been specified for the audit command, the error will be corrected.

**System action:** Audit processing continues.

**User response:** None.

---

**ANR3539E**  
**Generation of backup set for node name as set name (data type data type) skipped shreddable data object.**

**Explanation:** The named object for the specified node was included.

Data retrieved from a shreddable storage pool was skipped because the ALLOWSHREDDABLE=YES parameter was not specified.

**System action:** Server operation is terminated.

**User response:** Check with your Storage Administrator to ensure data retrieved from a shreddable storage pool is a candidate for storing on a backupset. Data on backupsets cannot be shredded. Only data that resides in a shreddable storage pool can be shredded. Check whether your Storage Administrator allows shreddable data to be stored on backupsets. Restart the operation and specify the ALLOWSHREDDABLE=YES parameter.

A shreddable storage pool is a storage pool that has been defined with a non zero SHRED attribute. Alternatively, the storage pool from which the backupset data is retrieved can be updated as a non shreddable storage pool. This requires the storage pool SHRED attribute to have a value of zero. Backupsets generated from data retrieved from non shreddable storage pools do not require the ALLOWSHREDDABLE=YES parameter.
ANR3540E Object set set name was not found for session session number, node.

Explanation: The indicated session id requested to restore the object set. The object set was not found on the server.

System action: The error is returned to the client.

User response: None.

ANR3541E Error error code occurred opening object set set name for session session number, node.

Explanation: An error occurred while opening the indicated object set.

System action: An error is returned to the client.

User response: Correct the problem reported by previous messages, if possible.

ANR3542E Error error code occurred reading object set set name for session session number, node.

Explanation: An error occurred while reading the indicated object set.

System action: An error is returned to the client.

User response: Correct the problem reported by previous messages, if possible.

ANR3543E Error error code occurred while sending entries from object set set name for session session number, node.

Explanation: An error occurred while sending entries for the indicated object set.

System action: An error is returned to the client.

User response: Correct the problem reported by other prior or subsequent messages related to this session, and try the operation again.

ANR3544E Generation of backup set for node name as set name skipped shreddable data object in file space file name (fsId, file name, type) file space name (fsId, file space id), file name, type.

Explanation: The named data object for the specified node was skipped while generating a backupset. The data object resides in a shreddable storage pool and will not be included in the backupset because the ALLOWSHREDDED=NO parameter was not specified.

System action: Backupset generation continues.

User response: Check with your Storage Administrator to ensure data residing in a shreddable storage pool is allowed to be stored on a backupset. Data stored on backupsets cannot be shredded. Only data that resides in a shreddable storage pool can be shredded. If your Storage Administrator allows shreddable data to be stored on backupsets, then restart the operation and specify the ALLOWSHREDDED=NO parameter.

ANR3545I Backup set set name used volume volume name.

Explanation: The named object used the specified volume.

System action: Server operation continues.

User response: None.

ANR3546E Command: Retrieve or restore failed - file was moved or deleted from data storage during retrieval.

Explanation: The server ends a file retrieval operation for the specified command because the file has been moved or deleted from data storage by another process before retrieval is complete.

System action: The server ends the command.

User response: Contact your administrator to find out if space reclamation, migration, DELETE FILESPACE, DELETE VOLUME, MOVE DATA, or inventory expiration processes are running; these processes can move or delete data storage files during retrieval. Reissue the command after these processes have been completed or canceled.

ANR3550E Definition of backup set set name for node name failed because it has an unknown format.

Explanation: The named object for the specified node was not defined. It was generated on a server that is at a higher level than this server and contains data that cannot be properly interpreted by this server.

System action: Server operation continues.

User response: Define the object on a server that is compatible with the server that generated the object, or upgrade this server to be compatible with the server that generated the object.

ANR3551I The server delete batch size has been set to new batch size. Deletion operations that start after this point will use the new value.

Explanation: A SETOPT command was used to set the value for the delete batch size value. This setting determines the maximum number of files that are
deleted from the server in one database transaction. The setting influences inventory expiration operations.

**System action:** The server uses this new setting for deletion operations that are started after this message is issued.

**User response:** None.

---

**ANR3560E**

**command:** One or more of the following parameters are missing: parameters.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

**ANR3561E**

**command:** Keyword parameter parameter is not recognized. The following keyword parameters are valid: validlist.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

**ANR3562E**

**command:** The parameter parameter value value is not numeric. The minimum value is min value and the maximum value is max value.

**Explanation:** The command cannot be processed because the specified parameter requires a numeric value.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

**ANR3563E**

**command:** The parameter parameter value value is out of range. The minimum value is min value and the maximum value is max value.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

**ANR3564E**

**command:** The parameter parameter value value is not recognized. The following parameter values are valid: validlist.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

**ANR3565E**

**command:** The parameter parameter value value is out of range. The minimum value is min value and the maximum value is max value. The following parameter values are also valid: validlist.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

**ANR3566E**

**command:** The parameter parameter value value is not recognized. The following keyword parameters are valid: validlist.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

**ANR3567E**

**command:** The scale scale for the parameter parameter is not recognized. The following scales are valid: validlist.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

**ANR3568E**

**command:** The parameter parameter value value is out of range. The minimum value is min value and the maximum value is max value.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

**ANR3569E**

**command:** The parameter parameter value value is too long. The maximum length is max length characters.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3570E command: The parameter parameter value is too short. The minimum length is min length characters.
Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3571E command: The parameter parameter value contains an invalid character "character". The following characters are valid: "validlist!" (excluding the quotation marks).
Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3572E command: The parameter parameter value is a reserved value and cannot be specified.
Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3573E command: The parameter parameter value is not a valid date.
Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3574E command: The parameter parameter value month month is out of range. The minimum value is minimum and the maximum value is maximum.
Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3575E command: The parameter parameter value day day is out of range. The minimum value is minimum and the maximum value is maximum.
Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3576E command: The parameter parameter value year year is out of range. The minimum value is minimum and the maximum value is maximum.
Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3577E command: The parameter parameter relative days value value is not numeric.
Explanation: The command cannot be processed because the specified parameter requires a numeric value.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3578E command: The parameter parameter relative days value value is out of range. The minimum value is 0 and the maximum value is max value.
Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3579E command: The parameter parameter value is not a valid time.
Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.
ANR3580E  command: The parameter parameter value value hours hours is out of range. The minimum value is minimum and the maximum value is maximum.

Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3581E  command: The parameter parameter value value minutes minutes is out of range. The minimum value is minimum and the maximum value is maximum.

Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3582E  command: The parameter parameter value value seconds seconds is out of range. The minimum value is minimum and the maximum value is maximum.

Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3583E  command: The parameter parameter relative hours value value is not numeric.

Explanation: The command cannot be processed because the specified parameter requires a numeric value.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3584E  command: The parameter parameter relative minutes value value is not numeric.

Explanation: The command cannot be processed because the specified parameter requires a numeric value.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3585E  command: The parameter parameter relative hours value value is out of range. The minimum value is 0 and the maximum value is max value.

Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3586E  command: The parameter parameter relative minutes value value is out of range. The minimum value is 0 and the maximum value is max value.

Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3587E  command: The parameter parameter is specified more than once.

Explanation: The command cannot be processed because the specified parameter can only be entered once.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3588E  command: The parameter parameter requires the prerequisite parameter parameter.

Explanation: The command cannot be processed as specified.
System action: The server ignores the command.
User response: Verify the command syntax and reissue the command.

ANR3589I  command: For more information, issue the HELP command command.

Explanation: One or more syntax errors were found in the specified server command (see the previous messages). The command cannot be processed as specified.
System action: None.
User response: Verify the command syntax and reissue the command.
ANR3590E  
**command:** Command is above the requested skill level.

**Explanation:** The specified server command has a skill level above what was requested.

**System action:** The server ignores the command.

**User response:** Reissue the command and enter the proper syntax.

---

ANR3591E  
**command:** The parameter value is out of range. The minimum value is min value and the maximum value is max value. The following parameter values are also valid: validlist.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

ANR3592E  
**command:** The parameter value is not recognized. The minimum value is min value and the maximum value is max value. The following parameter values are also valid: validlist.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

ANR3593E  
**command:** The parameter value is not valid. One of the following scales is required: validlist.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

ANR3594E  
**command:** The integer portion of the parameter value is out of range. The minimum integer value is min value and the maximum integer value is max value. The following parameter values are also valid: validlist.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

ANR3595E  
**command:** The integer portion of the parameter value is out of range. The minimum integer value is min value and the maximum integer value is max value. The following parameter values are also valid: validlist.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

ANR3596E  
**command:** The parameter conflicts with the conflicting parameter parameter.

**Explanation:** The command cannot be processed as specified.

**System action:** The server ignores the command.

**User response:** Verify the command syntax and reissue the command.

---

ANR3601W  
Policy Domain release failed for domain domain id due to communications failure.

**Explanation:** The storage agent was attempting to inform the database server that it was finished with the domain indicated by the domain id, but was unable to communicate with the database server. The cached policy information will be cleaned up when the storage server terminates or re-starts or when the database server re-starts.

**System action:** The storage agent continues operation. The policy information is deleted from the storage agent policy cache.

**User response:** Policy caches are cleaned up on the storage agent or server re-start. Network communication between the storage agent and database server should be checked.

---

ANR3602E  
Unable to communicate with database server.

**Explanation:** The storage agent was attempting to communicate with the database server but was unable to do so.

**System action:** The storage agent operation fails.

**User response:** Check the configuration of the storage agent and server to ensure that communication parameters are correct. Ensure that the database server is running and is accepting messages.
ANR3603E  Storage Agent name was unable to load policy information due to a protocol error.

Explanation: While receiving policy information from a database server, processing ended prematurely because of a protocol error.

System action: Server operation continues. Policy is loaded from the database server database.

User response: If this problem persists, contact your service representative.

ANR3604E  This command is not supported in the current operating environment.

Explanation: A command was issued that is valid under most circumstances, but not in the current server environment.

System action: Server operation continues.

User response: Issue commands which are allowed in the current environment.

ANR3605E  Unable to communicate with storage agent.

Explanation: The database server was attempting to communicate with the storage agent but was unable to do so.

System action: The database server operation fails.

User response: Check the configuration of the storage agent and server to ensure that communication parameters are correct.

ANR3606E  The storage agent was communicating with the database server on a restore request with verb verb name and received return code return code.

Explanation: The storage agent and database server were coordinating a restore request. While communicating using the indicated verb (an internal request mechanism between the storage agent and database server), an unexpected return code was received. The verb name and return code are provided for Tivoli support personnel.

System action: Database server and storage agent continue. The restore request fails, but may be retried by the client.

User response: Check the configuration of the storage agent and client to ensure that communication parameters are correct. If this problem persists, contact your service representative.

ANR3607E  The storage agent was communicating with the client on a restore request with verb verb name and received return code return code.

Explanation: The storage agent was communicating with a client for a restore request. While communicating using the indicated verb (an internal request mechanism between the storage agent and client), an unexpected return code was received. The verb name and return code are provided for Tivoli support personnel.

System action: Database server and storage agent continue. The restore request fails, but may be retried by the client.

User response: Check the configuration of the storage agent and client to ensure that communication parameters are correct. If this problem persists, contact your service representative.

ANR3608E  The storage agent was communicating with the database server on a restore request. An unexpected request (id verb) was received from the database server.

Explanation: The storage agent and database server were coordinating a restore request. While communicating, the indicated verb (an internal request mechanism between the storage agent and database server), was unexpected. The verb number is provided for Tivoli support personnel.

System action: Database server and storage agent continue. The restore request may fail, but may be retried by the client.

User response: If this problem persists, contact your service representative.

ANR3609E  The storage agent was handling a restore request. A failure occurred in starting a new thread. The return code return code from the failing routine may be useful to Tivoli service.

Explanation: The storage agent was handling a restore request. A new thread could not be started. Without the new thread the request could not be handled.

System action: Database server and storage agent continue. The restore request has failed.

User response: Ensure that there is sufficient system memory for the storage agent to operate properly. Insufficient memory or paging/swap space can cause problems in starting threads. If this problem persists, contact your service representative.
ANR3610I Domain Identifier domain identifier was not found.

Explanation: The server was cleaning up cached policy information after a restore request. A domain with the indicated identifier was not found in an internal list.

System action: Database server and storage agent continue.

User response: No response is required if the message is the result of starting a storage agent. The storage agent requests that the server purge cached information that it was using previously. It is possible that information tracking policy caching has become stale. In this case, no response is required. If the message occurs without a storage agent connecting to the server, contact your service representative.

ANR3611E Storage Agent unable to contact server.

Explanation: The storage agent was attempting to contact the server to start a session or run a command. The storage agent was unable to contact the server to start a transaction.

System action: The storage agent continues processing. The server may be down or there may be a communications problem.

User response: No response is required if the message is the result of stopping a server. Ensure that the server with which the storage agent communicates is running and that there is connectivity between the systems. The server must be restarted before you can start a new administrator session with the storage agent.

ANR3612E This command is not supported in the Express environment.

Explanation: A command was issued that is valid under most circumstances, but not in the current server environment.

System action: Server operation continues.

User response: Issue commands which are allowed in the current environment.

ANR3613W Process process ID skipped Num Files files on volume Volume name because of a lock conflict with another process.

Explanation: A lock conflict was encountered while moving files and the retries were exceeded.

System action: The operation skips the files without making copies and continues.

User response: Retry the operation.

ANR3614E The server failed to connect to the database.

Explanation: The server was unable to establish or validate a connection to the database.

System action: The server will shutdown.

User response: Examine the messages that were issued before this message to determine the cause of the failure. Start the server after the issue has been resolved.

ANR3615E The value of the DATAFORMAT parameter for the datamover is not compatible with the NAS file server.

Explanation: The datamover was defined with the NDMPDump DATAFORMAT. This data format is not compatible with an EMC NAS file server.

System action: The NDMP operation fails.

User response: Update the datamover to use the CELERRADump dataformat.

ANR3616E An error occurred. More information might be available in the dsmserv.err file.

Explanation: None.

System action: Server operation continues.

User response: Review the dsmserv.err file for messages that occurred at the same time as the error. The dsmserv.err file is located in the server working directory. Correct any problems that are identified.

ANR3617E The server failed to start with return code rc because of an issue with the database environment handle.

Explanation: The server was unable to allocate a handle to the database environment.

System action: The server stops.

User response: The following are possible causes and solutions:

• 1. The most common cause is that the DMSERV utility is not being run as the instance owner, or the user profile (db2profile) has not been sourced for the current login shell. To resolve the issue, log in as the instance user and source the DB2 profile, db2profile:
  . /home/tsminst1/sqlib/db2profile Note: Ensure that you insert a space after the initial dot.

• 2. A mismatch between the /etc/hosts file and the ~/sqlib/db2nodes.cfg file. If the host name was recently updated, ensure that the systems host name in the /etc/hosts file matches the host name in the ~/sqlib/db2nodes.cfg file. If the files contain the same host name, see the db2diag.log files for more
information. For information about the db2nodes.cfg file, see the DB2 documentation.

3. The database manager cannot be started due to insufficient system resources. Review the current operating system kernel settings and ulimit settings for parameters like nofiles for the user who is starting the DSMSERV program. Increase the values if needed. For information about changing kernel and ulimit values, see the documentation for your operating system. For guidelines concerning ulimit settings on Tivoli Storage Manager servers, see the information about starting the server instance on AIX, HP-UX, Linux, and Solaris systems in the Tivoli Storage Manager Information Center. For guidelines concerning operating system kernel parameters, see the information about tuning kernel parameters in the Tivoli Storage Manager Information Center.

4. Instance entries are missing from the /etc/services file. If the entries do not exist in the /etc/services file, re-create the entries as in this example:
   DB2_tsminst1 60000/tcp DB2_tsminst1_1 60001/tcp DB2_tsminst1_2 60002/tcp DB2_tsminst1_END 60003/tcp As a general rule, these entries are placed near the end of the /etc/services file. Replace tsminst1 with the name of the Tivoli Storage Manager instance that is being used on the server.

5. A copy of the DB2APP64.dll file is in the server instance directory. In some cases, users mistakenly copy the DB2APP64.dll file to the server instance directory from the installation directory. By default, the installation directory is C:\Program Files\Tivoli\TSM\db2\BIN. The DB2APP64.dll file should be in this directory only. Any additional copies of this DLL file should be removed.

ANR3618W  bad adapter number of total adapter number host bus adapters cannot be opened.

Explanation: The SAN discovery function is not able to open all of the host bus adapters (HBAs) on the system.

System action: None.

User response: Tivoli Storage Manager SAN discovery may only be getting partial device information from the SAN. Verify that all HBAs are configured and working properly.

ANR3619W  The user limit for limit is below the recommended minimum value of value.

Explanation: A user limit that is below the recommended minimum value might cause unexpected behavior.

System action: None.

User response: Set the user limit so that it is equal to or greater than the recommended minimum value.

ANR3620I  Status threshold status threshold updated.

Explanation: An UPDATE STATUTHTHRESHOLD command has updated the status threshold indicated.

System action: None.

User response: None.

ANR3622I  Status threshold status threshold deleted.

Explanation: A DELETE STATUTHTHRESHOLD command has deleted the status threshold indicated.

System action: None.

User response: None.

ANR3623E  Command: Status threshold status threshold is already defined.

Explanation: The command indicated has attempted to define a status threshold that already exists.

System action: None.

User response: None.

ANR3624E  Command: Status threshold threshold name is not defined.

Explanation: The command shown specifies a status threshold that is not defined with the server.

System action: None.

User response: None.

ANR3625I  Host bus adapter (HBA) API functions are not supported by adapter adapter name.

Explanation: The HBAAPI function failed to retrieve the attributes of the adapter. The reason is that this adapter is not a Fibre Channel SCSI adapter. This adapter might be a Serial Attached SCSI adapter. Therefore, SAN discovery does not work.

System action: The system is unable to retrieve the attributes of the adapter.

User response: Validate whether this adapter is a Fibre Channel SCSI adapter or not, and if it is, contact hardware support for the adapter.
ANR3626W  A check condition occurred during a small computer system interface (SCSI) inquiry at Fibre Channel port WWN=fc port wwn, KEY=sense key, ASC=asc, ASCQ=ascq.

Explanation: The host bus adapter (HBA) API function failed to query the SCSI information of a device located at this port. A hardware error or SCSI bus reset might have occurred during the operation.

System action: The HBAAPI inquiry function was unable to retrieve the SCSI device information from this port.

User response: Verify that the adapter, device, and Fibre Channel are connected. For more information about the values of the KEY, ASC, and ASCQ fields, see the SCSI specification.

ANR3627W  Alerts cannot be sent by email.

Explanation: You must enable the alert monitor and email option to receive alerts by email.

System action: Server processing continues.

User response: Configure the server alert settings with the following commands:
SET ALERTMONITOR ON
SET ALERTEMAIL ON

ANR3628E  The monitor status process has encountered an unexpected error setting the status of element element. The process returned error code rc.

Explanation: The process that monitors server activity has detected an error setting the element status.

System action: None.

User response: None.

ANR3629W  All administrators with system level authority use LDAP authentication. Administrator admin was the most recent administrator with system level authority that used LOCAL authentication.

Explanation: All administrator with system level authority use LDAP authentication. This situation has risks, based on the availability of the LDAP server. If required, make sure that the LDAP server has high availability configurations implemented. For example: clustering, mirroring, or replication. Having one system-level administrator with LOCAL authentication gives that administrator the ability to update other administrators and nodes to LOCAL authentication if the LDAP server is down unusable for an extended period of time.

System action: The only administrator with system level authority uses LDAP authentication.

User response: Consider having one administrator with system authority and LOCAL authentication. If this is not possible, validate that the high availability configurations for the LDAP server are sufficient.

ANR3630E  Command: The condition condition will conflict with existing status threshold threshold with condition condition.

Explanation: The command indicated has attempted to define or update a status threshold that will conflict with an existing threshold.

System action: The status threshold is not defined or updated.

User response: Either delete the existing threshold or use a different condition.

ANR3631W  The database is not intact.

Explanation: The server failed to start because the database was not intact.

System action: Server initialization fails.

User response: If this is a new installation or configuration, confirm that the DSMSERV FORMAT step was completed successfully. If this is an existing configuration that was previously working, a database restore might be required.

ANR3632E  command: The administrator administrator ID is locked.

Explanation: The administrator ID is locked and cannot be used in this command.

System action: The command fails.

User response: Unlock the administrator ID and reissue the command.

ANR3633I  Process process ID skipped volume Volume Name because the volume contains files that have not been backed up.

Explanation: The DEDUPREQUIRESBACKUP server option is set to the default value of YES. If the value of this option is YES, files within a deduplicated storage pool must be backed up to a non-deduplicated copy storage pool before the files can be reclaimed.

System action: The operation skips the volume and continues.

User response: Ensure that all files on the volume are backed up to a non-deduplicated copy storage pool. You can change the value of the DEDUPREQUIRESBACKUP server option to NO. However, changing the option value to NO can result...
in unrecoverable data loss if a data-integrity error occurs.

ANR3634W  The HBA API cannot provide tape device information from the SAN.

System action:  No action is required.

User response:  Check the connections between the Fibre Channel cables and the tape device settings to ensure that the tape devices can be presented to the system first. Contact the HBA vendor to report problems if the QUERY SAN command cannot retrieve tape device information when tape devices are presented to the system.

ANR3635I  The status monitor has updated the event record retention period to 14 days.

Explanation:  To provide full functionality for the Operations Center, the server must retain event records for a minimum of 14 days.

System action:  Event records will be retained for 14 days.

User response:  Use the SET EVENTRETENTION command if a different value is desired.

ANR3636W  Transaction failed for session session number for node node name (client platform) - the key is already defined.

Explanation:  The server ends the transaction because the key is already defined in the database.

System action:  Server operation continues.

User response:  Make sure the key is unique.

ANR3637W  Transaction failed for session session number for node node name (client platform) - the key is not defined.

Explanation:  The server ends the transaction because the key is already defined in the database.

System action:  Server operation continues.

User response:  Make sure the key is defined.

ANR3999E  Failure validating database load: expected numRecs records and numBV bit vectors - loaded actNumRecs records and actNumBV bit vectors.

Explanation:  The database load process has ended and the number of records, the number of bit vectors, or both the number of records or number of bit vectors loaded, failed to validate.

System action:  The LOAD DB process completes with a failure. The server database is not in a usable state.

User response:  A number of possible causes exist. To recover from this situation, first retry the database load process. If the error reoccurs, check the activity log or other system logs to determine if there is a hardware or media error. If a hardware or media error exists, correct the error and retry the load process. If a hardware or media error does not exist, it is likely the dump or unload of the server database has encountered an error resulting in the dump/unload server database image as being unusable or that there is an error in the logic for load db processing. Contact your service representative for assistance.

ANR4000I  Dump command: Database dump process started.

Explanation:  The database dump process has started.

System action:  The server dumps the contents of the database to a file or removable media.

User response:  None.

ANR4001I  Dump command: Database dump process completed.

Explanation:  The database dump process has ended.

System action:  The server completes processing.

User response:  None.

ANR4002I  Dump command: Database dump process terminated due to error (error indicator).

Explanation:  The database dump process has ended prematurely due to an error.

System action:  The server ends dumping.

User response:  Examine previously issued messages to determine if an error can be corrected, such as an output error. If you cannot resolve the error, contact your service representative.

ANR4003I  Load command: Database load process started.

Explanation:  The database load process has started.

System action:  The server loads the contents of the database from a file or removable media.

User response:  None.

ANR4004I  Load command: Database load process completed.

Explanation:  The database load process has ended.

System action:  The server completes processing.

User response:  None.
ANR4005E  Load command: Database load process terminated due to error (error indicator).

Explanation: The database load process has ended prematurely due to an error.

System action: The server ends load processing.

User response: Examine previously issued messages to determine if an error can be corrected, such as a syntax error. If you cannot resolve the error, contact your service representative.

ANR4006I  Command: Volume volume number written by process is volume name.

Explanation: A sequential data process wrote to the volume named in the series of one or more volumes that were used to store output. The volume’s position in the series in indicated by the volume number reported.

System action: The server ends processing.

User response: None.

ANR4007E  Command: A transaction error was encountered in recording volume usage history.

Explanation: The command process encounters a database transaction error in recording the names of the volumes used for the process in the server database.

System action: The server ends processing.

User response: Examine previously issued messages to determine if there is an error that can be corrected, such as a syntax error. If you cannot resolve the error, contact your service representative. The volumes used by the process are valid for the corresponding input process, but are not recorded in sequential volume history lists generated by the server.

ANR4008W  Load command: Database object object name does not exist.

Explanation: The database load process attempts to delete a database object, but the object does not exist.

System action: Database processing continues.

User response: None.

ANR4009E  Load command: Database object object name cannot be deleted because it is in use by another process.

Explanation: The database load process attempts to delete a database object, but the object is currently being used by another process.

System action: Database processing ends.

User response: Reissue the command. If it fails, contact your service representative.

ANR4010E  Dump/load command: Database dump/load processing failed - insufficient memory.

Explanation: The database dump/load process fails due to insufficient memory.

System action: Database processing ends.

User response: Allocate additional storage to the server. There are two ways to do this:

- Increase the size of the server’s virtual machine (for VM), or region size (for MVS). For AIX, ensure that there is sufficient paging space. You may also use SMIT to determine if the number of applications is causing a memory shortage. For OS/2, ensure that there is sufficient space for the OS/2 SWAPPER.DAT file. Check your CONFIG.SYS for the SWAPPATH statement to determine where your SWAPPER.DAT file is located and then determine how much space is left on the drive.

- Decrease the amount of space allocated to the server’s database or log buffer pool. To do this, update the value of the BUFPOOLSIZE or LOGPOOLSIZE parameters in the server options file and restart the server. Note that each page causes an additional 4K page to be allocated for the specified buffer pool. Reducing the pool sizes requires more I/O to service the same amount of data; some performance degradation may result.

ANR4011W  Dump command: Database page page number is invalid - it will be skipped.

Explanation: The specified page is invalid, and it will not be used during dump processing.

System action: Processing continues.

User response: None.

ANR4012W  Dump command: Database page page number is damaged.

Explanation: The specified database page is damaged; it will not be dumped.

System action: Processing continues.

User response: None.

ANR4013I  Dump command: Dumped number of entries database entries (cumulative).

Explanation: This message indicates the number of database entries that have been dumped so far during database dump processing.

System action: Server processing continues.

User response: None.
ANR4014E  Load command: The specified input volume does not contain a server database dump.

Explanation: The specified volume does not contain a dump created from the database dump command.

System action: Processing ends.

User response: None.

ANR4015E  Load command: Invalid record format (format code) detected.

Explanation: During processing of command load command, an invalid record type is detected when reading the dumped information from the dump media.

System action: Processing of the command ends.

User response: Examine the server messages issued prior to this message to determine the source of the error. On MVS or VM, the LOADDB command syntax may be specified by using a ddname or by specifying a device class name. You must use the same method that was used when the database was originally dumped. If you did not, this error message will be displayed. Try loading the database by using the other method of syntax (devclass). If the error cannot be isolated and resolved, contact your service representative.

ANR4016E  Load command: Invalid header sequence number detected in database dump.

Explanation: During processing of command load command, an invalid sequence number is detected when reading the dumped information from the dump media.

System action: Processing of the command ends.

User response: Examine previously issued server messages to determine the source of the error. If the error cannot be isolated and resolved, contact your service representative.

ANR4017E  Load command: Invalid record type record type read from database dump data.

Explanation: The server database load process encounters an invalid record in reading data from the dump media.

System action: The database load process ends.

User response: Examine previously issued server messages to determine the source of the error. If the error cannot be isolated and resolved, contact your service representative.

ANR4018E  Load command: Load processing failed - insufficient recovery log space.

Explanation: The load process fails due to insufficient recovery log space.

System action: Database load processing ends.

User response: Reinstall the server and specify a larger recovery log and reissue the database load command.

ANR4019E  Load command: Load processing failed - insufficient database space.

Explanation: The load process fails due to insufficient database space.

System action: Load processing ends.

User response: Reinstall the server and specify a larger database and reissue the database load command.

ANR4020E  Load command: Batch database insert failed.

Explanation: The database load process fails when it attempts to insert a batch of rows into the database.

System action: Database load processing ends.

User response: Examine the messages issued prior to this one to determine if an error can be corrected. You may wish to reinstall the server with a new recovery log and database and reissue the load command. If the problem persists, contact your service representative.

ANR4021E  Dump/load command: Error (error code) occurred during an open operation.

Explanation: An error occurs while attempting an open operation on the dump media for a database dump/load operation.

System action: Server processing continues.

User response: Refer to the other displayed messages to determine why the operation failed; correct the problem and restart the process.

ANR4022E  Dump command: Error (error code) occurred during a write operation.

Explanation: The server database dump process encounters an error while writing to the dump media.

System action: Server processing continues, the dump processing ends.

User response: Refer to the other displayed messages to determine why the operation failed; correct the problem and restart the process.
ANR4023E  Load command: Error (error code) occurred during a read operation.

Explanation:  The server database load process encounters an error reading from the dump media.
System action:  The database load operation ends.
User response:  Refer to the other displayed messages to determine why the operation failed; correct the problem and restart the process.

ANR4025I  Dumped number of pages database pages, number of bit vectors bit vectors, and number of database entries database entries; number of bad pages bad database pages have been encountered; number of bytes copied.

Explanation:  This message is displayed in response to a QUERY PROCESS command executed against an online database dump process. The message displays information about the progress of the dump.
System action:  Database dump processing continues.
User response:  None. You may cancel the dump process with the CANCEL PROCESS command.

ANR4026I  Dump command: Process process number, database dump has completed.

Explanation:  The online server database dump process started as process process number has completed.
System action:  Database dump processing ends.
User response:  None.

ANR4027I  Dump command: Process process number, database dump was canceled.

Explanation:  The online server database dump process started as process process number has been canceled with the CANCEL PROCESS command.
System action:  Database dump processing ends.
User response:  None.

ANR4028I  Dump command: Process process number, Database dump terminated due to an error (error code).

Explanation:  The online database dump process has ended prematurely due to an error.
System action:  The server ends dump processing.
User response:  Examine the messages issued prior to this message to see if an error can be corrected, such as output error. If you cannot resolve the error, contact your service representative.

ANR4029I  Dump command: Database checkpoint started.

Explanation:  The database dump process is flushing updated database pages from the database buffer pool to stable storage so that they can be dumped.
System action:  Database dump processing continues.
User response:  None.

ANR4030I  Dump command: Database checkpoint completed.

Explanation:  The database dump process has flushed all updated pages from the database buffer pool to stable storage.
System action:  Database load processing continues.
User response:  None.

ANR4031I  Dump/load command: Copied number of pages database pages.

Explanation:  This message is displayed at the end of a server database dump or load command to indicate the number of database pages copied.
System action:  Database dump or load processing ends.
User response:  None.

ANR4032I  Dump/load command: Copied number of records database records.

Explanation:  This message is displayed at the end of a server database dump or load command to indicate the number of database records copied.
System action:  Database dump or load processing ends.
User response:  None.

ANR4033I  Dump/load command: Copied number of bit vectors bit vectors.

Explanation:  This message is displayed at the end of a server database dump or load command to indicate the number of database bit vectors copied.
System action:  Database dump or load processing ends.
User response:  None.

ANR4034I  Dump/load command: Encountered number of bad database pages bad database pages.

Explanation:  This message is displayed at the end of a server database dump or load command to indicate the number of invalid database pages that have been encountered.
ANR4035I  Dump/load command: Encountered number of bad database records.

Explanation: This message is displayed at the end of a server database dump or load command to indicate the number of invalid database records that have been encountered.

System action: Database dump or load processing ends.
User response: None.

ANR4036I  Dump/load command: Copied number of database entries.

Explanation: This message is displayed at the end of a server database dump or load command to indicate the number of database entries that have been copied.

System action: Database dump or load processing ends.
User response: None.

ANR4037I  Dump/load command: Number of bytes copied.

Explanation: This message is displayed at the end of a server database dump or load command to indicate the number of bytes that have been copied.

System action: Database dump or load processing ends.
User response: None.

ANR4038I  Load command: Loading database information dumped on dump date at dump time.

Explanation: At the beginning of a server database load process, this message indicates the date and time that the dump took place for the database information that is loaded into the server.

System action: Database load processing continues.
User response: None.

ANR4039I  Load command: Loaded number of entries database entries (cumulative).

Explanation: This message indicates the number of database entries that have been loaded so far during database load processing.

System action: Database load processing continues.
User response: None.

ANR4040I  Audit command: Auditing client node and administrator definitions.

Explanation: This message is displayed during a database audit and indicates that the client node and administrator definitions are being examined by the database audit process.

System action: Audit processing continues.
User response: None.

ANR4041I  Audit command: Node node name is assigned to Domain domain name, but not verified by server database policy entries.

Explanation: A database audit process finds a node assigned to a policy domain that is not recorded properly in policy database entries.

System action: Audit processing continues.
User response: If FIX=YES has not been specified for the audit command, you may want to run this command again, and specify FIX=YES so that the audit process can correct the policy domain assignment for the node.

ANR4042I  Audit command: Node node name assignment failed - will attempt to assign the node to domain domain name.

Explanation: A database audit process finds a node assigned to a policy domain that cannot be referenced in database policy entries. Because FIX=YES has been specified for the audit command, the audit function will attempt to correct the policy domain assignment for the node.

System action: Audit processing continues.
User response: When the audit command completes, you may want to check the domain assignment for this node, and reassign the node to a different policy domain, if desired.

ANR4043I  Audit command: Node node name assignment failed - will attempt to assign the node to domain domain name.

Explanation: A database audit process finds a node assigned to a policy domain that cannot be located in database policy entries. Because FIX=YES has been specified for the audit command, the audit function is attempting to assign the node to an existing policy domain. The function attempts to assign the node to the domain name specified.

System action: Audit processing continues.
User response: When the audit command completes,
you may want to check the domain assignment for this node, and reassign the node to a different policy domain, if desired.

**ANR4044I Audit command: Could not assign Node node name to a policy domain; use the UPDATE NODE command to assign a policy domain for this node.**

**Explanation:** A database audit process cannot find an appropriate policy domain for assigning the specified node.

**System action:** Audit processing continues.

**User response:** When the audit command completes, use the UPDATE NODE command to assign the specified node to an appropriate policy domain.

**ANR4045I Audit command: Invalid compression value encountered for node node name.**

**Explanation:** A database audit process encounters an invalid node compression value for the node indicated.

**System action:** Audit processing continues.

**User response:** If FIX=YES has not been specified for the audit command, you may want to run this command again, and specify FIX=YES so that the audit process can correct the problem.

**ANR4046I Audit command: Invalid compression value encountered for node node name.**

**Explanation:** A database audit process encounters an invalid node compression value for the node indicated. Because FIX=YES has been specified, the audit function sets the node’s compression value to the default value.

**System action:** Audit processing continues.

**User response:** If you want the compression value for the specified node to be set to a value other than the default, use the UPDATE NODE command to change the value after the audit command has completed.

**ANR4048I Audit command: Invalid archive delete value encountered for node node name.**

**Explanation:** A database audit process encounters an invalid archive delete permission value for the node indicated. Because FIX=YES has been specified, the audit function sets the node’s archive delete permission value to the default value.

**System action:** Audit processing continues.

**User response:** If you want the archive delete value for the specified node to be set to a value other than the default, use the UPDATE NODE command to change the value after the audit command has completed.

**ANR4049I Audit command: Invalid backup delete value encountered for node node name.**

**Explanation:** A database audit process encounters an invalid backup delete permission value for the node indicated.

**System action:** Audit processing continues.

**User response:** If FIX=YES has not been specified for the audit command, you may want to run this command again, and specify FIX=YES so that the audit process can correct the problem.

**ANR4050I Audit command: Invalid backup delete value encountered for node node name.**

**Explanation:** A database audit process encounters an invalid backup delete permission value for the node indicated. Because FIX=YES has been specified, the audit function sets the node’s backup delete permission value to the default value.

**System action:** Audit processing continues.

**User response:** If you want the backup delete value for the specified node to be set to a value other than the default, use the UPDATE NODE command to change the value after the audit command has completed.

**ANR4051I Audit command: Invalid lock state encountered for node node name.**

**Explanation:** A database audit process encounters an invalid lock state value for the node indicated.

**System action:** Audit processing continues.

**User response:** If FIX=YES has not been specified for the audit command, you may want to run this command again, and specify FIX=YES so that the audit process can correct the problem.
ANR4052I Audit command: Invalid lock state encountered for node node name the node will be unlocked.

Explanation: A database audit process encounters an invalid lock state value for the node indicated. Because FIX=YES has been specified, the audit function sets the node’s lock state to unlocked.

System action: Audit processing continues.

User response: If you want the lock state for the specified node to be set to a value other than unlocked, use the LOCK NODE command to change the value after the audit command has completed.

ANR4053I Audit command: Invalid Node conversion state encountered for node node name.

Explanation: A database audit process encounters an invalid Node conversion state value for the node indicated.

System action: Audit processing continues.

User response: If FIX=YES has not been specified for the audit command, you may want to run this command again, and specify FIX=YES so that the audit process can correct the problem. However, next time this node logs onto the server, the node conversion state will be reset.

ANR4054I Audit command: Invalid conversion state encountered for node node name the node will be reset.

Explanation: A database audit process encounters an invalid conversion state value for the node indicated. Because FIX=YES has been specified, the audit function resets the conversion state.

System action: Audit processing continues.

User response: None.

ANR4055I Audit command: Invalid lock state encountered for administrator administrator name the administrator will be unlocked.

Explanation: A database audit process encounters an invalid lock state value for the administrator indicated. Because FIX=YES has been specified, the audit function sets the administrator’s lock state to unlocked.

System action: Audit processing continues.

User response: If you want the lock state for the specified administrator to be set to a value other than unlocked, use the LOCK ADMIN command to change the value after the audit command has completed.

ANR4056I Audit command: Invalid lock state encountered for administrator administrator name the administrator will be unlocked.

Explanation: A database audit process encounters an invalid lock state value for the node indicated. Because FIX=YES has been specified, the audit function sets the node’s lock state to unlocked.

System action: Audit processing continues.

User response: If you want the lock state for the specified node to be set to a value other than unlocked, use the LOCK NODE command to change the value after the audit command has completed.

ANR4057E Audit command: Administrative global attributes are missing.

Explanation: A database audit process finds that the global attributes used for server administrative activities are missing.

System action: Audit processing continues.

User response: Reissue the audit command with FIX=YES specified so that the administrative global attributes can be recreated.

ANR4058I Audit command: Administrative global attributes are missing - default values will be used to recreate the attributes.

Explanation: A database audit process finds that the global attributes used for server administrative activities are missing. Because FIX=YES has been specified on the AUDIT command, default attribute values will be used to recreate the administrative global attributes.

System action: Audit processing continues.

User response: When the audit completes, you can use the QUERY STATUS command to examine the values set for the administrative global attributes, and use the appropriate SET command to change the attributes, if desired.

ANR4059E Audit command: Administrative ID assignments are incorrect.

Explanation: A database audit process finds that the global attributes used for server administrative activities are incorrect.

System action: Audit processing continues.

User response: Reissue the audit command with FIX=YES specified so that the administrative global attributes can be corrected.
ANR4060I Audit command: Administrative ID assignments are incorrect - value(s) will be corrected.

Explanation: A database audit process finds that the global attributes used for server administrative activities are incorrect. Because FIX=YES has been specified on the AUDIT command, the attribute value will be corrected in the server database.

System action: Audit processing continues.
User response: None.

ANR4061E Audit command: Administrative global attribute(s) are incorrect.

Explanation: A database audit process finds that the global attributes used for server administrative activities are incorrect.

System action: Audit processing continues.
User response: Reissue the audit command with FIX=YES specified so that the administrative global attributes can be corrected.

ANR4062I Audit command: Administrative global attribute(s) are incorrect - default values will be set.

Explanation: A database audit process finds that the global attributes used for server administrative activities are incorrect. Because FIX=YES has been specified on the AUDIT command, default attribute values will be used to correct the administrative global attributes.

System action: Audit processing continues.
User response: When the audit completes, you can use the QUERY STATUS command to examine the values set for the administrative global attributes, and use the appropriate SET command to change the attributes, if desired.

ANR4063E Audit command: Client node node number not found in the server database.

Explanation: A database audit process finds a client node reference that is not defined correctly in the server database.

System action: Audit processing continues.
User response: If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

ANR4064I Audit command: Client node node number created as node node name assigned to policy domain domain name in the server database.

Explanation: A database audit process finds a client node reference that is not defined correctly in the server database. Because FIX=YES has been specified for the audit command, the audit function creates a new node definition for the node with the name specified.

System action: Audit processing continues.
User response: After the audit command completes, use the QUERY NODE command to examine the node that was added. Use the RENAME NODE command to rename the corrected node and the UPDATE NODE command to set attributes for the corrected node, such as its password. You can issue the QUERY FILESPACE command for the node, to determine which node and platform type was originally represented by the corrected node.

ANR4065E Audit command: Administrator administrator number not found in the server database.

Explanation: A database audit process finds an administrator reference that is not defined correctly in the server database.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4066I Audit command: Administrator administrator number not found in the server database - reference will be removed.

Explanation: A database audit process finds an administrator reference that is not defined correctly in the server database. The invalid reference will be removed from the database.

System action: Audit processing continues.
User response: After the audit command completes, review your administrator definitions with the QUERY ADMIN command. You can then use the REGISTER ADMIN and UPDATE ADMIN commands to change any definitions desired.

ANR4067E Audit command: Domain domain name referenced by an administrator authority does not exist.

Explanation: A database audit process finds a policy administrator reference to a policy domain that does not exist.

System action: Audit processing continues.
ANR4068I  Audit command: Policy domain domain_name referenced by an administrator authority does not exist - the authority will be removed.

Explanation: A database audit process finds a policy administrator reference to a policy domain that does not exist. Because FIX=YES has been specified, the authority will be removed.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4069E  Audit command: Storage pool storage_pool_name referenced by an administrator authority does not exist.

Explanation: A database audit process finds a storage administrator reference to a storage pool that does not exist.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4070I  Audit command: Storage pool storage_pool_name referenced by an administrator authority does not exist - the authority will be removed.

Explanation: A database audit process finds a policy administrator reference to a storage pool that does not exist. Because FIX=YES has been specified, the authority will be removed.

System action: Audit processing continues.

User response: After the audit command completes, review your administrator definitions with the QUERY ADMIN command. You can then use the REGISTER ADMIN, UPDATE ADMIN, and GRANT AUTHORITY commands to change any definitions.

ANR4071I  Audit command: Invalid sign-on attempts is not valid for node/administrator name.

Explanation: A database audit process encounters an invalid sign-on attempts value that is not valid for the node or administrator indicated.

System action: Audit processing continues.

User response: Reissue the audit command again, and specify FIX=YES so that the audit process can correct the problem.

ANR4072I  Audit command: Invalid file aggregation information encountered for node node_name.

Explanation: A database audit process encounters invalid information used for controlling aggregation of files for the node indicated.

System action: Audit processing continues.

User response: If FIX=YES has not been specified for the audit command, you may want to run this command again, and specify FIX=YES so that the audit process can correct the problem.

ANR4073I  Audit command: Invalid file aggregation information encountered for node node_name - information will be corrected.

Explanation: A database audit process encounters invalid information used for controlling aggregation of files for the node specified. Because FIX=YES has been specified, the audit function corrects the information.

System action: Audit processing continues.

User response: None.

ANR4074I  Dump/load command: Encountered number of entries bad database entries.

Explanation: This message is displayed at the end of a server database dump or load command to indicate the number of invalid database entries that have been encountered.

System action: Database dump or load processing ends.

User response: None.

ANR4075I  Audit command: Auditing policy definitions.

Explanation: This message is displayed during a database audit and indicates that the server policy information (domain, policy set, management classes, and copy groups) are being examined by the database audit process.

System action: Audit processing continues.

User response: None.

ANR4076E  Audit command: Invalid client node count detected for policy domain domain_name.

Explanation: A database audit process finds that the count of nodes recorded for the specified policy domain do not match the actual number of nodes assigned to the domain.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

**ANR4077I**  
*Audit command: Invalid client node count detected for policy domain domain name count will be corrected.*

**Explanation:** A database audit process finds that the count of nodes recorded for the specified policy domain do not match the actual number of nodes assigned to the domain. Because FIX=YES has been specified for the command, the node count will automatically be corrected.

**System action:** Audit processing continues.

**User response:** None.

**ANR4082E**  
*Audit command: Invalid grace period archive retention value encountered for policy domain domain name.*

**Explanation:** A database audit process finds an incorrect grace period retention value for the specified policy domain.

**System action:** Audit processing continues.

**User response:** Reissue the audit command and specify FIX=YES so that the error can be corrected.

**ANR4083I**  
*Audit command: Invalid grace period archive retention value encountered for policy domain domain name - default value will be set.*

**Explanation:** A database audit process finds an incorrect grace period retention value for the specified policy domain. Because FIX=YES has been specified for the audit command, the default value will be set.

**System action:** Audit processing continues.

**User response:** None.

**ANR4084E**  
*Audit command: Invalid administrator update information encountered for policy domain domain name.*

**Explanation:** A database audit process finds incorrect last updated information for the specified policy domain.

**System action:** Audit processing continues.

**User response:** Reissue the audit command and specify FIX=YES so that the error can be corrected.

**ANR4085I**  
*Audit command: Invalid administrator update information encountered for policy domain domain name - information will be corrected.*

**Explanation:** A database audit process finds incorrect last updated information for the specified policy domain. Because FIX=YES has been specified for the command, the information is corrected.

**System action:** Audit processing continues.

**User response:** None.
ANR4086E  Audit command: Invalid node node number found assigned to domain domain name.

Explanation: A database audit process finds a node number assigned to a policy domain that does not reference a valid client node definition.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4087I  Audit command: Invalid node node number found assigned to domain domain name reference will be deleted.

Explanation: A database audit process finds a node number assigned to a policy domain that does not reference a valid client node definition. Because FIX=YES has been specified for the audit command, the reference will be deleted.
System action: Audit processing continues.
User response: None.

ANR4088E  Audit command: Default management class management class name specified for policy set policy set name in domain domain name does not exist.

Explanation: A database audit process finds a policy set with a default management class specified that does not exist.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4089I  Audit command: Default management class management class name specified for policy set policy set name in domain domain name does not exist - the reference will be removed.

Explanation: A database audit process finds a policy set with a default management class specified that does not exist. Because FIX=YES has been specified for the audit command, the reference will be removed from the policy set.
System action: Audit processing continues.
User response: When the audit command completes, examine the policy set specified, and set a new default management class for the set. If the policy set is the ACTIVE policy set, you must activate a new policy set for the domain with a valid default management class.

ANR4090E  Audit command: Active Policy set for domain domain name does not contain a valid default management class - policy will fail for this domain. Correct the ACTIVE policy set.

Explanation: A database audit process finds an active policy set for the specified policy domain that does not have a valid active management class specified.
System action: Audit processing continues.
User response: When the audit command completes, you must activate a new policy set for the domain with a valid default management class.

ANR4091E  Audit command: Invalid administrator update information encountered for policy set policy set name in policy domain domain name.

Explanation: A database audit process finds incorrect last updated information for the specified policy set.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4092I  Audit command: Invalid administrator update information encountered for policy set policy set name in policy domain domain name - information will be corrected.

Explanation: A database audit process finds incorrect last updated information for the specified policy set. Because FIX=YES has been specified for the command, the information is corrected.
System action: Audit processing continues.
User response: None.

ANR4093E  Audit command: A management class identifier is not defined for management class management class name in policy set policy set name, domain domain name.

Explanation: A database audit process finds incorrect information for the specified management class.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4094E  Audit command: A management class identifier is not defined for management class management class name in policy set policy set name, domain domain name - an identifier will be generated for this management class.
Explanation: A database audit process finds incorrect information for the specified management class. The audit process generates an identifier, because FIX=YES has been specified for the audit command.

System action: Audit processing continues.

User response: None.

ANR4095E

Audit command: An invalid management class identifier (actual identifier) was encountered for management class management class name in policy set set name, domain domain name (expected identifier).

Explanation: A database audit process finds incorrect information for the specified management class.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4096E

Audit command: An invalid management class identifier (actual identifier) was encountered for management class management class name in policy set set name, domain domain name (expected identifier) - the correct identifier will be stored.

Explanation: A database audit process finds incorrect information for the specified management class. The audit process corrects the identifier, because FIX=YES has been specified for the audit command.

System action: Audit processing continues.

User response: None.

ANR4097E

Audit command: Invalid administrator update information encountered for management class management class name in policy set set name in policy domain domain name.

Explanation: A database audit process finds incorrect last updated information for the specified management class.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4098I

Audit command: Invalid administrator update information encountered for management class management class name in policy set set name in policy domain domain name - information will be corrected.

Explanation: A database audit process finds incorrect last updated information for the specified management class. Because FIX=YES has been specified for the command, the information is corrected.

System action: Audit processing continues.

User response: None.

ANR4099E

Audit command: Copy group copy group name in management class management class name, policy set set name, domain domain name has an invalid name or type.

Explanation: A database audit process encounters a copy group that has an invalid name or copy group type.

System action: Audit processing continues.

User response: If FIX=YES has not been specified for the audit command, reissue the command specifying FIX=YES so that the error can be corrected.

ANR4100I

Audit command: Attempting to reinsert the copy group as a BACKUP copy group.

Explanation: A database audit process encounters a copy group that has an invalid name or copy group type. The process attempts to reinsert the definition as a backup copy group.

System action: Audit processing continues.

User response: None.

ANR4101I

Audit command: A backup copy group already exists - the invalid copy group will be deleted.

Explanation: A database audit process encounters a copy group that has an invalid name or copy group type. While attempting to reinsert the copy group as a backup copy group, the process discovers that a backup copy group already exists for the management class. The copy group is deleted.

System action: Audit processing continues.

User response: After the audit command completes, you may examine the server copy groups using the QUERY COPYGROUP command, and correct them with the DEFINE COPYGROUP and UPDATE COPYGROUP commands if desired.

ANR4102I

Audit command: Attempting to reinsert the copy group as an ARCHIVE copy group.

Explanation: A database audit process encounters a copy group that has an invalid name or copy group type. The process attempts to reinsert the definition as an archive copy group.
ANR4103I  •  ANR4110E

System action: Audit processing continues.
User response: None.

ANR4103I  Audit command: An archive copy group already exists - the invalid copy group will be deleted.

Explanation: A database audit process encounters a copy group that has an invalid name or copy group type. While attempting to reinsert the copy group as an archive copy group, the process discovers that a backup copy group already exists for the management class. The copy group is deleted.

System action: Audit processing continues.
User response: After the audit command completes, you may examine the server copy groups using the QUERY COPYGROUP command, and correct them with the DEFINE COPYGROUP and UPDATE COPYGROUP commands, if desired.

ANR4104E  Audit command: An invalid management class identifier (actual identifier) was encountered for a copy group in management class management class name, policy set set name, domain domain name (expected expected identifier).

Explanation: A database audit process finds incorrect information for the specified copy group.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4105E  Audit command: An invalid management class identifier (actual identifier) was encountered for a copy group in management class management class name, policy set set name, domain domain name (expected expected identifier) - the correct identifier will be stored.

Explanation: A database audit process finds incorrect information for the specified copy group. The audit process corrects the identifier, since FIX=YES has been specified for the audit command.
System action: Audit processing continues.
User response: None.

ANR4106E  Audit command: An invalid copy group identifier (actual identifier) was encountered for a copy group in management class management class name, policy set set name, domain domain name (expected expected identifier).

Explanation: A database audit process finds incorrect information for the specified copy group.

System action: Audit processing continues.
User response: For programming support, contact your service representative.

ANR4107E  Audit command: An invalid copy group identifier (actual identifier) was encountered for copy group name copy group name (expected expected identifier).

Explanation: A database audit process finds incorrect information for the specified copy group name.
System action: Audit processing continues.
User response: For programming support, contact your service representative.

ANR4108E  Audit command: Invalid backup copy group attributes encountered for copy group copy group name in management class management class name, policy set set name, domain domain name.

Explanation: A database audit process encounters invalid backup copy group attributes for the specified copy group.
System action: Audit processing continues.
User response: If FIX=YES has not been specified for the audit command, reissue the command specifying FIX=YES so that the inconsistency can be corrected.

ANR4109I  Audit command: Invalid backup copy group attributes encountered for copy group copy group name in management class management class name, policy set set name, domain domain name - the copy group will be corrected using default attributes.

Explanation: A database audit process encounters invalid backup copy group attributes for the specified copy group. Because FIX=YES has been specified for the command, the copy group will be corrected using default values for the attributes found in error.
System action: Audit processing continues.
User response: After the audit command completes, examine the copy group by using the QUERY COPYGROUP command, and correct attributes with the UPDATE COPYGROUP command, if desired.

ANR4110E  Audit command: Invalid archive copy group attributes encountered for copy group copy group name in management class management class name, policy set set name, domain domain name.

Explanation: A database audit process encounters invalid archive copy group attributes for the specified copy group.
ANR4111I  Audit command: Invalid archive copy group attributes encountered for copy group copy group name in management class management class name, policy set set name, policy domain domain name - the copy group will be corrected using default attributes.

Explanation: A database audit process encounters invalid archive copy group attributes for the specified copy group. Because FIX=YES has been specified for the command, the copy group will be corrected using default values for the attributes found in error.

System action: Audit processing continues.

User response: If FIX=YES has not been specified for the audit command, reissue the command and specify FIX=YES so that the inconsistency can be corrected.

ANR4112W  Audit command: Storage pool storage pool name, specified as a destination for copy group copy group name in management class management class name, policy set set name, domain domain name, does not exist.

Explanation: A database audit process encounters a storage pool specified for the destination of the specified copy group that is not defined in the server database. If this copy group is used in an active policy set, then backup or archive operations will fail when attempting to put client data in the destination.

System action: Audit processing continues.

User response: After the audit command completes, examine the copy group by using the QUERY COPYGROUP command, and correct the attributes with the UPDATE COPYGROUP command, if desired.

ANR4113E  Audit command: Invalid administrator update information encountered for copy group copy group name in management class management class name, policy set set name, policy domain domain name.

Explanation: A database audit process finds incorrect last updated information for the specified copy group.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4114I  Audit command: Invalid administrator update information encountered for copy group copy group name in management class management class name, policy set set name, policy domain domain name - information will be corrected.

Explanation: A database audit process finds incorrect last updated information for the specified copy group. Because FIX=YES has been specified for the command, the information is corrected.

System action: Audit processing continues.

User response: None.

ANR4115E  Audit command: Policy domain domain name is referenced, but not formally defined.

Explanation: A database audit process finds a reference to the specified policy domain, but the domain is not formally defined in the server database.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4116I  Audit command: Policy domain domain name is referenced, but not formally defined - a policy domain with default attributes will be defined with this name.

Explanation: A database audit process finds a reference to the specified policy domain, but the domain is not formally defined in the server database. Because FIX=YES has been specified, a new policy domain with this name will be defined by the audit processor.

System action: Audit processing continues.

User response: After the audit command has completed, you can view the attributes for this policy domain using the QUERY DOMAIN command, and update attributes with the UPDATE DOMAIN command, if desired.

ANR4117E  Audit command: Policy set set name in domain domain name is referenced, but not formally defined.

Explanation: A database audit process finds a reference to the specified policy set, but the set is not formally defined in the server database.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.
ANR4118I  Audit command: Policy set set name in domain domain name is referenced, but not formally defined - a policy set with this name will be created.

Explanation: A database audit process finds a reference to the specified policy set, but the set is not formally defined in the server database. Because FIX=YES has been specified, the audit process will create a new policy set with this name.

System action: Audit processing continues.

User response: After the audit command has completed, you can view the attributes for this policy set by using the QUERY POLICYSET command, and update attributes with the UPDATE POLICYSET command, if desired.

ANR4118I  Audit command: Management class class name in policy set set name, domain domain name is referenced, but not formally defined.

Explanation: A database audit process finds a reference to the specified management class, but the class is not formally defined in the server database.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4120I  Audit command: Management class class name in policy set set name, domain domain name is referenced, but not formally defined - the management class will be created.

Explanation: A database audit process finds a reference to the specified management class, but the class is not formally defined in the server database. Because FIX=YES has been specified for the audit command, the audit process defines a management class in the server with this name.

System action: Audit processing continues.

User response: After the audit command has completed, you can view the attributes for this management class by using the QUERY MGMTCLASS command, and update attributes with the UPDATE MGMTCLASS command, if desired.

ANR4122E  Audit command: The instance count for management class class name does not agree with the actual management class data (number of instances instances).

Explanation: A database audit process finds a reference count for the specified management class that does not match the actual number of instances for this class. The audit process corrects the count because FIX=YES has been specified for the audit command.

System action: Audit processing continues.

User response: None.

ANR4122E  Audit command: The instance count for management class class name does not agree with the actual management class data (number of instances instances).

Explanation: A database audit process finds a reference count for the specified management class that does not match the actual number of instances for this class. The audit process corrects the count because FIX=YES has been specified for the audit command.

System action: Audit processing continues.

User response: None.

ANR4126E  Audit command: Policy global attributes cannot be found.

Explanation: A database audit process is not able to locate the global attributes for policy information in the server database.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.
ANR4127I  Audit command: Policy global attributes cannot be found - attributes will be recreated.

Explanation: A database audit process is not able to locate the global attributes for policy information in the server database. Because FIX=YES has been specified for the audit command, the attributes will be regenerated.

System action: Audit processing continues.

User response: None.

ANR4128E  Audit command: Policy global high-water marks do not match the identifiers in use.

Explanation: A database audit process finds the attributes used to track policy identifiers are incorrect.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4129E  Audit command: Policy global high-water marks do not match the identifiers in use - they will be corrected.

Explanation: A database audit process finds the attributes used to track policy identifiers are incorrect. Because FIX=YES has been specified for the audit command, the attributes will be corrected.

System action: Audit processing continues.

User response: None.

ANR4130W  Audit Volume updating object information for volume volume name:
Node node name, Type file type, File space filesystem name, fsl directory id, File Name file name.

Explanation: As the result of an AUDIT VOLUME command that specified FIX=YES for the volume shown, object information for the specified file will be updated.

System action: The object information is updated.

User response: None.

ANR4131W  Audit Volume found incorrect object information for volume volume name:
Node node name, Type file type, File space filesystem name, fsl directory id, File Name file name.

Explanation: As the result of an AUDIT VOLUME command that specified FIX=NO for the volume shown, object information for the specified file is found to be in error.

ANR4132I  Audit volume process ended for volume volume name; file count files inspected, file count damaged files deleted, file count damaged files marked as damaged, file count files previously marked as damaged reset to undamaged, file count objects updated.

Explanation: The AUDIT VOLUME command specifying FIX=YES for the volume shown has ended.

The following information is displayed:
• The number of files audited
• The number of inconsistent files deleted
• The number of inconsistent files marked as damaged
• The number of files previously marked as damaged that were reset to undamaged
• The number of updated objects

The number of files marked as damaged includes all files belonging to aggregates that were marked damaged during the audit. Files are marked as damaged in primary storage pools and not deleted when backup copies for the files are known to exist in COPY storage pools.

System action: None.

User response: To recover files that have been marked as damaged on the volume, use the RESTORE STGPOOL or RESTORE VOLUME command.

ANR4133I  Audit volume process ended for volume volume name; file count files inspected, file count damaged files found and marked as damaged, file count files previously marked as damaged reset to undamaged, file count objects need updating.

Explanation: The AUDIT VOLUME command specifying FIX=NO for the volume shown has ended.

The following information is displayed:
• The number of files audited
• The number of inconsistent files marked as damaged
• The number of files previously marked as damaged that were reset to undamaged
• The number of objects need updating

The number of files marked damaged includes all files belonging to aggregates that were marked damaged during the audit. Inconsistent files are marked as damaged in the database and can be recovered by using the RESTORE STGPOOL or RESTORE VOLUME command if copies of the files reside in a COPY storage pool. Another AUDIT VOLUME command may be able to access the files and reset the damaged indicator in...
the database if the audit volume process cannot access
the files due to hardware problems (for example, dirty
tape heads).

System action: None.

User response: If you suspect that files were
inaccessible because of hardware problems such as
dirty tape heads, correct the hardware problem and
reissue the AUDIT VOLUME FIX=NO command for
this volume. To remove damaged file references and
update the object information, issue the AUDIT
VOLUME command and specify FIX=YES.

ANR4134I AUDITDB: Processed number of entries
entries in database tables and number of
blocks blocks in bit vectors. Elapsed time
is elapsed time.

Explanation: This message reports the progress of a
database audit operation. While auditing database
tables, the number of entries processed will increase,
but the number of blocks processed in bit vectors will
not increase. While auditing bit vectors, the number of
blocks processed will increase, but the number of
entries processed will not increase. The number of
entries and the number of blocks are cumulative for the
entire audit operation. The elapsed time of the audit
operation is reported in hours, minutes, and seconds.

System action: Database audit processing continues.

User response: None.

ANR4135I Audit command: Auditing central
scheduler definitions.

Explanation: This message is displayed during a
database audit and indicates that the server scheduling
information is examined by the database audit process.

System action: Audit processing continues.

User response: None.

ANR4136I Audit command: Auditing server
inventory.

Explanation: This message is displayed during a
database audit and indicates that server information
about client file spaces is currently being examined by
the database audit process.

System action: Audit processing continues.

User response: None.

ANR4137I Audit command: Auditing inventory file
spaces.

Explanation: This message is displayed during a
database audit and indicates that server information
about client file spaces is currently being examined by
the database audit process.

System action: Audit processing continues.

User response: None.
ANR4143E  Audit command: Central scheduler global attributes cannot be found.
Explanation: A database audit process cannot locate the global attributes for scheduling information in the server database.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4144I  Audit command: Central scheduler global attributes cannot be found - attributes will be recreated.
Explanation: A database audit process cannot locate the global attributes for scheduler information in the server database. Because FIX=YES has been specified for the audit command, the attributes will be regenerated.
System action: Audit processing continues.
User response: None.

ANR4145E  Audit command: One or more central scheduler attributes are incorrect.
Explanation: A database audit process finds that the global attributes used for server scheduling activities are incorrect.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the administrative global attributes can be corrected.

ANR4146I  Audit command: One or more central scheduler global attribute(s) are incorrect - default values will be set.
Explanation: A database audit process finds that the global attributes used for server scheduling activities are incorrect. Because FIX=YES has been specified on the AUDIT command, default attribute values will be used to correct the scheduling global attributes.
System action: Audit processing continues.
User response: When the audit completes, you can use the QUERY STATUS command to examine the values set for the administrative global attributes, and use the appropriate SET command to change the attributes, if desired.

ANR4147E  Audit command: Policy domain domain name referenced by schedule schedule name does not exist.
Explanation: A database audit process finds a schedule that references a policy domain that is not defined in the server database.

ANR4148I  Audit command: Policy domain domain name referenced by schedule schedule name does not exist - the schedule will be deleted.
Explanation: A database audit process finds a schedule that references a policy domain that is not defined in the server database. Because FIX=YES has been specified for the audit command, the specified schedule will be deleted from the server database.
System action: Audit processing continues.
User response: None.

ANR4149E  Audit command: One or more attributes for schedule schedule name in policy domain domain name are incorrect.
Explanation: A database audit process finds one or more invalid attributes for the specified schedule.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the administrative global attributes can be corrected.

ANR4150I  Audit command: One or more attributes for schedule schedule name in policy domain domain name are incorrect - default values will be set.
Explanation: A database audit process finds one or more invalid attributes for the specified schedule. Because FIX=YES has been specified for the audit command the invalid attributes will be set to default values.
System action: Audit processing continues.
User response: When the audit completes, you can use the QUERY SCHEDULE command to examine the values set for the schedule, and use the UPDATE SCHEDULE command to change any attributes desired.

ANR4151E  Audit command: Schedule schedule name in policy domain domain name not found, but is referenced by a client node.
Explanation: A database audit process finds a schedule reference from a client node for a schedule that is not defined in the server database.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the administrative global attributes can be corrected.
ANR4152I  Audit command: Schedule schedule name in policy domain domain name not found, but is referenced by a client node - the schedule association will be deleted.

Explanation: A database audit process finds a schedule reference from a client node for a schedule that is not defined in the server database. Because FIX=YES has been specified for the audit command, the schedule association will be deleted from the server database.

System action: Audit processing continues.
User response: None.

ANR4153E  Audit command: Schedule schedule name in policy domain domain name references a client node that does not exist.

Explanation: A database audit process finds a schedule that references a client node that is not defined in the server database.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4154I  Audit command: Schedule schedule name in policy domain domain name references a client node that does not exist - the node reference will be deleted.

Explanation: A database audit process finds a schedule that references a client node that is not defined in the server database. Because FIX=YES has been specified for the audit command, the reference will be removed from the server database.

System action: Audit processing continues.
User response: None.

ANR4155E  Audit command: Invalid administrator update information encountered for a schedule assignment.

Explanation: A database audit process finds incorrect last updated information for a schedule-node assignment. Because FIX=YES has been specified for the command, the information is corrected.

System action: Audit processing continues.
User response: None.

ANR4156I  Audit command: Invalid administrator update information encountered for a schedule assignment - information will be corrected.

Explanation: A database audit process finds incorrect last updated information for a schedule-node assignment. Because FIX=YES has been specified for the command, the information is corrected.

System action: Audit processing continues.
User response: None.

ANR4157E  Audit command: Scheduling callback address is registered for a client node that does not exist.

Explanation: A database audit process finds a server-prompted-scheduling callback address for a node that does not exist.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4158I  Audit command: Scheduling callback address is registered for a client node that does not exist - callback information will be deleted.

Explanation: A database audit process finds a server-prompted-scheduling callback address for a node that does not exist. Because FIX=YES has been specified for the command, the callback information will be deleted from the server database.

System action: Audit processing continues.
User response: None.

ANR4159I  Audit command: An inventory authorization rule specifies an invalid node (node ID) or file space (filespace ID) - the rule will be deleted.

Explanation: A database audit process finds that either a node ID or file space ID is invalid for an authorization rule. Since FIX=YES has been specified, the invalid authorization rule will be deleted.

System action: Audit processing continues.
User response: None.

ANR4160I  Audit command: An inventory authorization rule specifies an invalid node (node ID) or file space (filespace ID).

Explanation: A database audit process finds that either a node ID or file space ID is invalid for an authorization rule.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.
ANR4161I Audit command: Inventory global attributes could not be found - they will be created.

Explanation: A database audit process cannot find the inventory global attributes. Because FIX=YES has been specified for the command, the information is corrected by the creation of the global attributes.

System action: Audit processing continues.
User response: None.

ANR4162I Audit command: Inventory global attributes could not be found.

Explanation: A database audit process cannot find the inventory global attributes.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4163I Audit command: Invalid object ID high-water mark encountered for inventory global attributes - the value will be corrected.

Explanation: A database audit process finds that the object ID high-water mark for the inventory global attributes is invalid. Because FIX=YES has been specified for the command, the object ID high-water mark is determined by the current inventory and set accordingly.

System action: Audit processing continues.
User response: None.

ANR4164I Audit command: Invalid object ID high-water mark encountered for inventory global attributes.

Explanation: A database audit process finds that the object ID high-water mark for the inventory global attributes is invalid.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4165I Audit command: An inventory node assignment entry was not found for node node ID - an entry will be created.

Explanation: A database audit process cannot find the node assignment entry corresponding to the specified node. Since FIX=YES has been specified for the command, the required inventory entry will be created using default values.

System action: Audit processing continues.
User response: None.

ANR4166I Audit command: An inventory node assignment entry was not found for node node ID.

Explanation: A database audit process cannot find the node assignment entry corresponding to the specified node.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4167I Audit command: The file space high-water mark for node node ID is incorrect - the value will be corrected.

Explanation: A database audit process finds that a file space high-water mark is incorrect for the specified node ID. Since FIX=YES has been specified for the command, the information is corrected.

System action: Audit processing continues.
User response: None.

ANR4168I Audit command: The file space high-water mark for node node ID is incorrect.

Explanation: A database audit process finds that a file space high-water mark is incorrect for the specified node ID.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4169I Audit command: The file space high-water mark for node node ID is incorrect - the value will be corrected.

Explanation: A database audit process finds that an authorization rule high-water mark is incorrect for the specified node ID. Since FIX=YES has been specified for the command, the information is corrected.

System action: Audit processing continues.
User response: None.

ANR4170I Audit command: The authorization rule high-water mark for node node ID is incorrect.

Explanation: A database audit process finds that an authorization rule high-water mark is incorrect for the specified node ID.

System action: Audit processing continues.
User response: Reissue the audit command and...
**ANR4171**  
*Audit command: Primary backup entry for an expiring object (object.ID) cannot be found - the expiring object entry will be deleted.*

**Explanation:** A database audit process cannot find the primary backup entry for the specified expiring object. Because FIX=YES has been specified for the command, the information is corrected by deleting the expiring object entry.

**System action:** Audit processing continues.

**User response:** None.

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**ANR4176**  
*Audit command: Invalid copy type encountered for an expiring objects entry (object.ID).*

**Explanation:** A database audit process finds that the copy type for the specified expiring object is invalid.

**System action:** Audit processing continues.

**User response:** Reissue the audit command and specify FIX=YES so that the error can be corrected.

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**ANR4178**  
*Audit command: Primary archive entry for an object (object.ID) cannot be found.*

**Explanation:** A database audit process cannot find the specified primary archive object. Because FIX=YES has been specified for the command, the entry is deleted.

**System action:** Audit processing continues.

**User response:** Reissue the audit command and specify FIX=YES so that the error can be corrected.
### ANR4181I

**Audit command: Invalid copy type encountered for object object.ID - object found as a backup object - correcting the invalid copy type**

**Explanation:** A database audit process encounters an invalid copy type for the specified object ID but finds a corresponding backup object for the entry. Because FIX=YES has been specified for the command, the invalid copy type is corrected.

**System action:** Audit processing continues.

**User response:** None.

### ANR4182I

**Audit command: Invalid copy type encountered for object object.ID - object found as an archive object - correcting the invalid copy type**

**Explanation:** A database audit process encounters an invalid copy type for the specified object ID but finds a corresponding archive object for the entry. Because FIX=YES has been specified for the command, the invalid copy type is corrected.

**System action:** Audit processing continues.

**User response:** None.

### ANR4183I

**Audit command: Invalid copy type encountered for object object.ID - primary archive entry created for object using default values.**

**Explanation:** A database audit process encounters an invalid copy type for the specified object ID and is unable to find corresponding primary backup or primary archive objects. Because FIX=YES has been specified for the command, a primary archive entry is created using default values.

**System action:** Audit processing continues.

**User response:** None.

### ANR4184I

**Audit command: Invalid copy type encountered for object object.ID.**

**Explanation:** A database audit process encounters an invalid copy type for the specified object ID and is unable to find corresponding primary backup or primary archive objects.

**System action:** Audit processing continues.

**User response:** None.

### ANR4185I

**Audit command: Object entry for backup object object.ID not found - entry will be created.**

**Explanation:** A database audit process cannot find an object entry for the specified backup object. Because FIX=YES has been specified for the command, an object entry is created using default values.

**System action:** Audit processing continues.

**User response:** None.

### ANR4186I

**Audit command: Object entry for backup object object.ID not found.**

**Explanation:** A database audit process cannot find an object entry for the specified backup object.

**System action:** Audit processing continues.

**User response:** Reissue the audit command and specify FIX=YES so that the error can be corrected.

### ANR4187I

**Audit command: Inventory object fields for object object.ID do not match the primary backup entry - the object will be updated.**

**Explanation:** A database audit process determines that the object fields for the specified object ID do not match the fields for the corresponding primary backup object. Because FIX=YES has specified for the command, the incorrect object fields will be corrected.

**System action:** Audit processing continues.

**User response:** None.

### ANR4188I

**Audit command: Inventory object fields for object object.ID do not match the primary backup entry.**

**Explanation:** A database audit process determines that the object fields for the specified object ID do not match the fields for the corresponding primary backup object.

**System action:** Audit processing continues.

**User response:** Reissue the audit command and specify FIX=YES so that the error can be corrected.

### ANR4189I

**Audit command: Expiring entry for inactive backup object object.ID not found - the entry will be created.**

**Explanation:** A database audit process cannot find an expiring entry for the specified inactive backup entry. Because FIX=YES has been specified for the command, an expiring entry will be created.

**System action:** Audit processing continues.

**User response:** None.
ANR4190I  Audit command: Expiring entry for inactive backup object object ID not found.

Explanation: A database audit process cannot find an expiring entry for the specified inactive backup entry.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4191I  Audit command: Object entry for archive object object ID not found - entry will be created.

Explanation: A database audit process cannot find an object entry for the specified archive object. Because FIX=YES has been specified for the command, the information is corrected by creating an object entry.

System action: Audit processing continues.

User response: None.

ANR4192I  Audit command: Object entry for archive object object ID not found.

Explanation: A database audit process cannot find an object entry for the specified archive object.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4193I  Audit command: Inventory object fields for object object ID do not match the primary archive entry - the object will be updated.

Explanation: A database audit process determines that the object fields for the specified object ID do not match the fields for the corresponding primary archive object. Because FIX=YES has been specified for the command, the incorrect object fields will be corrected.

System action: Audit processing continues.

User response: None.

ANR4194I  Audit command: Inventory object fields for object object ID do not match the primary archive entry.

Explanation: A database audit process determines that the object fields for the specified object ID do not match the fields for the corresponding primary archive object.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4195I  Audit command: Expiring entry for archive object object ID not found - the entry will be created.

Explanation: A database audit process cannot find an expiring entry for the specified archive object. Because FIX=YES has been specified for the command, an expiring entry will be created.

System action: Audit processing continues.

User response: None.

ANR4196I  Audit command: Expiring entry for archive object object ID not found.

Explanation: A database audit process cannot find an expiring entry for the specified archive object.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4197I  Audit command: File space entry filespace ID not found for node node ID.

Explanation: A database audit process cannot find a file space entry for the specified node.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4198I  Audit command: File space entry filespace ID not found for node node name - an entry will be created.

Explanation: A database audit process cannot find a file space entry for the specified node. Because FIX=YES has been specified for the command, a file space entry has been created.

System action: Audit processing continues.

User response: None.

ANR4199I  Audit command: File space entry filespace ID not found for node node ID - unable to create an entry.

Explanation: A database audit process cannot find a file space entry for the specified node ID. Because FIX=YES has been specified for the command, the audit process has attempted to create a file space entry but is not successful.

System action: Audit processing continues.

User response: Contact your system administrator.
ANR4210I  Audit command: Auditing physical volume repository definitions.
Explanation: This message is displayed during a database audit and indicates that the physical volume repository definitions are being examined by the database audit process.
System action: Audit processing continues.
User response: None.

ANR4211I  Audit command: Drive entry library name for library drive name in the physical volume repository is invalid.
Explanation: A database audit process finds that a drive entry is missing a corresponding library entry.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4212I  Audit command: An object entry for library library name and drive drive name in the physical volume repository is invalid - the entry will be deleted.
Explanation: A database audit process finds that a drive entry is missing a corresponding library entry. Because FIX=YES has been specified for the command, the invalid drive entry is deleted.
System action: Audit processing continues.
User response: None.

ANR4213I  Audit command: A device type for library library name and drive drive name in the physical volume repository is invalid.
Explanation: A database audit process finds that a device type for the specified library and drive is invalid.
System action: Audit processing continues.
User response: Contact the system administrator so that appropriate action may be taken.

ANR4214I  Audit command: A drive model for library library name and drive drive name in the physical volume repository is invalid.
Explanation: A database audit process finds that the drive model for the specified library and drive is invalid.
System action: Audit processing continues.
User response: Contact the system administrator so that appropriate action may be taken.

ANR4215I  Audit command: An object entry for library library name and volume volume name in the physical volume repository is invalid.
Explanation: A database audit process finds that a library inventory entry is missing a corresponding library entry.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4216I  Audit command: An object entry for library library name and volume volume name in the physical volume repository is invalid - the entry will be deleted.
Explanation: A database audit process finds that a library inventory entry is missing a corresponding library entry. Because FIX=YES has been specified for the command, the invalid library inventory entry is deleted.
System action: Audit processing continues.
User response: None.

ANR4217I  Audit command: The volume status for library library name and volume volume name in the physical volume repository is invalid.
Explanation: A database audit process finds that the volume status for the specified library and volume is set to scratch. This is incorrect because storage agent has a volume name for the library and volume indicating that it should have a volume status of private.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4218I  Audit command: The volume status for library library name and volume volume name in the physical volume repository is invalid - the volume status will be changed to private.
Explanation: A database audit process finds that the volume status for the specified library and volume is set to scratch. This is incorrect because storage agents has a volume name for the library and volume which indicates that it should have a volume status of private. Because FIX=YES has been specified for the command, the incorrect volume status is set to private.
System action: Audit processing continues.
User response: None.
ANR4219I  

Audit command: A library type specified for library library name in the physical volume repository is invalid.

Explanation: A database audit process finds that the library type for the specified library is invalid.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4220I  

Audit command: A library type specified for library library name in the physical volume repository is invalid - the library type has been changed to the default of library type default.

Explanation: A database audit process finds that the library type for the specified library is invalid. Because FIX=YES has been specified for the command, the information is corrected by changing the library type to the default type.

System action: Audit processing continues.

User response: None.

ANR4221I  

Audit command: An error (error code) was found with converted archive object for node (node identifier), description (description identifier), object (object ID), filespace (filespace identifier) - entry will be deleted or updated.

Explanation: A database audit process has found an error with the specified converted archive object. Because FIX=YES has been specified for the command, the entry is deleted.

System action: Audit processing continues.

User response: None.

ANR4222I  

Audit command: An error (error code) was found with archive description for node (node identifier), description (description), objects (old object count, new object count), count (old directory count, new directory count) - entry will be created.

Explanation: A database audit process cannot find a converted table entry for the specified archive object. Because FIX=YES has been specified for the command, an entry will be created.

System action: Audit processing continues.

User response: None.

ANR4223I  

Audit command: An error (error code) was found with converted archive object for node (node identifier), description (description identifier), object (object ID), filespace (filespace identifier) - entry will be created.

Explanation: A database audit process cannot find a converted table entry for the specified archive object. Because FIX=YES has been specified for the command, an entry will be created.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4224I  

Audit command: An error (error code) was found with converted archive object for node (node identifier), description (description identifier), object (object ID), filespace (filespace identifier).

Explanation: A database audit process cannot find a converted table entry for the specified archive object. Because FIX=YES has been specified for the command, an entry will be created.

System action: Audit processing continues.

User response: None.

ANR4225I  

Audit command: table entry for archive object (object ID), node (node identifier), description (description), filespace (filespace identifier) not found - the entry will be created.

Explanation: A database audit process cannot find a converted table table entry for the specified archive object. Because FIX=YES has been specified for the command, an entry will be created.

System action: Audit processing continues.

User response: None.

ANR4226I  

Audit command: table entry for archive object (object ID), node (node identifier), description (description), filespace (filespace identifier) not found.

Explanation: A database audit process cannot find a converted table table entry for the specified archive object.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.
ANR4227E  Audit command: Inconsistent information detected for file aggregate (Aggregate.ID).
Explanation: A database audit process finds inconsistent information for a file aggregate. This problem cannot be corrected by the audit process, but the file data is not deleted.
System action: Audit processing continues.
User response: Contact your service representative.

ANR4228E  Audit command: Missing or incorrect information detected for file aggregate (Aggregate.ID).
Explanation: A database audit process detects missing or incorrect information for a file aggregate. This information can be corrected.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4229E  Audit command: Missing or incorrect information detected for file aggregate (Aggregate.ID) - It will be corrected.
Explanation: A database audit process detects missing or incorrect information for a file aggregate. Because FIX=YES has been specified for the audit command, the error will be corrected.
System action: Audit processing continues.
User response: None.

ANR4230I  Audit command: Auditing data storage definitions.
Explanation: This message is displayed during a database audit and indicates that the data storage definitions are being examined by the database audit process.
System action: Audit processing continues.
User response: None.

ANR4231E  Audit command: Invalid device class strategy for device class device class name.
Explanation: A database audit process finds a device class with an invalid access strategy.
System action: Audit processing continues.
User response: None.

ANR4232E  Audit command: Invalid device class strategy strategy for device class device class name - information will be corrected.
Explanation: A database audit process finds a device class with an invalid access strategy. Because FIX=YES has been specified for the audit command, the access strategy will be corrected for this device class.
System action: Audit processing continues.
User response: None.

ANR4233E  Audit command: Pool ID information is missing or incorrect for storage pool storage pool name.
Explanation: A database audit process finds a storage pool whose pool ID information is missing or incorrect.
System action: Audit processing continues.
User response: Reissue the audit command with FIX=YES so that the access strategy can be corrected.

ANR4234E  Audit command: Pool ID information is missing or incorrect for storage pool storage pool name - information will be created or corrected.
Explanation: A database audit process finds a storage pool whose pool ID information is missing or incorrect. Because FIX=YES has been specified for the audit command, the pool ID information will be created or corrected for this storage pool.
System action: Audit processing continues.
User response: None.

ANR4235E  Audit command: Device class ID referenced by storage pool storage pool name is not defined - data in this pool may not be available.
Explanation: A database audit process finds a storage pool which references a device class ID which is not defined.
System action: Audit processing continues.
User response: Contact your service representative.

ANR4236E  Audit command: An invalid access strategy was encountered for storage pool storage pool name.
Explanation: A database audit process encounters an invalid device access strategy for the specified storage pool.
System action: Audit processing continues.
User response: Reissue the audit command with
FIX=YES so that the attribute can be corrected.

ANR4237E  Audit command: An invalid access strategy was encountered for storage pool storage pool name - the strategy will be corrected.

Explanation: A database audit process encounters an invalid device access strategy for the specified storage pool. Because FIX=YES has been specified for the command, the storage pool access strategy will be corrected.

System action: Audit processing continues.

User response: After the audit command completes, examine the storage pool using the QUERY STGPOOL command, and verify that the correct information is displayed for this storage pool.

ANR4238E  Audit command: Storage pool storage pool name specifies an undefined pool ID for its next storage pool.

Explanation: The specified storage pool references an invalid pool ID as its next storage pool.

System action: Audit processing continues.

User response: Use the UPDATE STGPOOL command to update the next pool. Alternatively, if the audit command is reissued with FIX=YES, the reference to the next pool will be deleted.

ANR4239E  Audit command: Storage pool storage pool name specifies an undefined pool ID for its next storage pool - reference will be deleted.

Explanation: The specified storage pool references an invalid pool ID as its next storage pool. Because FIX=YES has been specified for the command, the reference is deleted. The specified storage pool will not have a next pool.

System action: Audit processing continues.

User response: After the audit command completes, use the UPDATE STGPOOL command to assign a next storage pool, if desired.

ANR4240E  Audit command: An invalid attribute was encountered for storage pool storage pool name.

Explanation: A database audit process encounters an invalid attribute for the specified storage pool.

System action: Audit processing continues.

User response: Reissue the audit command with FIX=YES so that the attribute can be corrected.

ANR4241E  Audit command: An invalid attribute was encountered for storage pool storage pool name - the attribute will be assigned its default value.

Explanation: A database audit process encounters an invalid attribute for the specified storage pool. Because FIX=YES has been specified for the command, the storage pool will be corrected using the default value for the attribute.

System action: Audit processing continues.

User response: After the audit command completes, examine the storage pool using the QUERY STGPOOL command, and correct attributes with the UPDATE STGPOOL command, if desired.

ANR4242E  Audit command: Invalid administrator update information encountered for storage pool storage pool name.

Explanation: A database audit process finds incorrect information pertaining to the last update for the specified storage pool.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4243E  Audit command: Invalid administrator update information encountered for storage pool storage pool name - information will be corrected.

Explanation: A database audit process finds incorrect information pertaining to the last update for the specified storage pool. Because FIX=YES has been specified for the command, the information is corrected.

System action: Audit processing continues.

User response: None.

ANR4244E  Audit command: Storage pool ID referenced by volume volume name is not defined - data on this volume may not be available.

Explanation: A database audit process finds a data storage volume which references a storage pool ID that is not defined.

System action: Audit processing continues.

User response: You can attempt to move data on the specified volume to other volumes using the MOVE DATA command; then delete the specified volume and redefine it. If this does not work, contact your service representative.
ANR4245E  Audit command: An invalid access strategy was encountered for volume volume name.

Explanation: A database audit process encounters an invalid device access strategy for the specified volume.

System action: Audit processing continues.

User response: Reissue the audit command with FIX=YES so that the strategy can be corrected.

ANR4246E  Audit command: An invalid access strategy was encountered for volume volume name - the strategy will be corrected.

Explanation: A database audit process encounters an invalid device access strategy for the specified volume. Because FIX=YES has been specified for the command, the access strategy will be corrected for this volume.

System action: Audit processing continues.

User response: None.

ANR4247E  Audit command: Missing information for volume volume name cannot be created. Delete the volume after optionally moving any files from the volume.

Explanation: A database audit process encounters missing database information for the specified volume. Since FIX=YES has been specified for the audit command, an attempt is made to create the missing information where possible. However, some of the information cannot be created, and the volume must be deleted.

System action: The access mode for the volume is set to UNAVAILABLE to prevent further attempts to write to this volume. Audit processing continues.

User response: After audit processing completes, an administrator should take the following actions to eliminate the volume
  • (Optional) Use the UPDATE VOLUME command to set the access mode for the volume to READWRITE. It may then be possible to use the MOVE DATA command to move files from the volume so that these files can be accessed by the server.
  • (Required) Use the DELETE VOLUME command to delete the volume from the database.

ANR4248E  Audit command: Missing or incorrect information for storage volume volume name.

Explanation: A database audit process finds a data storage volume for which information is missing or incorrect.

System action: Audit processing continues.

User response: Reissue the audit command with FIX=YES so that the information can be created or corrected.

ANR4249E  Audit command: Missing or incorrect information for storage volume volume name - information will be created or corrected.

Explanation: A database audit process finds a data storage volume for which information is missing or incorrect. Since FIX=YES has been specified for the audit command, the information will be created or corrected.

System action: Audit processing continues.

User response: None.

ANR4250E  Audit command: Extraneous reference found.

Explanation: A database audit process finds a reference to a nonexistent entity such as a storage pool or volume.

System action: Audit processing continues.

User response: Reissue the audit command with FIX=YES so that the non-existant entity is recreated, if possible. If recreation is not possible, the extraneous reference is deleted.

ANR4251E  Audit command: Extraneous reference found - information will be recreated or deleted.

Explanation: A database audit process finds a reference to a nonexistent entity such as a storage pool or volume. Since FIX=YES has been specified for the audit command, the nonexistent entity will be recreated, if possible. If recreation is not possible, the extraneous information will be deleted.

System action: Audit processing continues.

User response: None.

ANR4252E  Audit command: Data storage global attributes cannot be found.

Explanation: A database audit process is not able to locate the global attributes for data storage in the server database.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.
ANR4253E  Audit command: Data storage global attributes cannot be found - attributes will be recreated.

Explanation: A database audit process is not able to locate the global attributes for data storage in the server database. Because FIX=YES has been specified for the audit command, the attributes will be regenerated.

System action: Audit processing continues.

User response: None.

ANR4254E  Audit command: Data storage high-water marks do not match the identifiers in use.

Explanation: A database audit process finds that the information used to track data storage identifiers is incorrect.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4255E  Audit command: Data storage high-water marks do not match the identifiers in use - they will be corrected.

Explanation: A database audit process finds that the information used to track data storage identifiers is incorrect. Because FIX=YES has been specified for the audit command, the error will be corrected.

System action: Audit processing continues.

User response: None.

ANR4256E  Audit command: Auditing data storage definitions for disk volumes.

Explanation: This message is displayed during a database audit and indicates that the database information relating to data storage disk volumes is being examined by the database audit process.

System action: Audit processing continues.

User response: None.

ANR4257E  Audit command: A correctable data-integrity error was detected on volume volume name.

Explanation: A database audit process finds a correctable data-integrity error for a file stored on the specified volume. Because FIX=YES has been specified for the audit command, the error will be corrected.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4258E  Audit command: A data-integrity error was detected on volume volume name - the error will be corrected.

Explanation: A database audit process finds a correctable data-integrity error for a file stored on the specified volume. Because FIX=YES has been specified for the audit command, the error will be corrected.

System action: Audit processing continues.

User response: None.

ANR4259E  Audit command: Invalid data encountered for a file in data storage - data can be corrected.

Explanation: A database audit process finds invalid data for a file in data storage. The error should be correctable.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4260E  Audit command: Invalid data encountered for a file in data storage - the error will be corrected.

Explanation: A database audit process finds invalid data for a file in data storage. Because FIX=YES has been specified for the audit command, the error will be corrected.

System action: Audit processing continues.

User response: None.

ANR4261E  Audit command: Invalid access information was encountered for volume volume name.

Explanation: A database audit process encounters invalid access information for the specified volume.

System action: Audit processing continues.

User response: After audit processing has completed, use the UPDATE VOLUME command to set the access information for this volume. Or reissue the audit command with FIX=YES, which sets access to the default value.

ANR4262E  Audit command: Invalid access information was encountered for volume volume name - the information will be corrected.

Explanation: A database audit process encounters invalid access information for the specified volume. Because FIX=YES has been specified for the command, the information will be corrected by setting the default value.
ANR4263I  * ANR4264I

**ANR4263I**  * Audit command: Auditing data storage definitions for sequential volumes.*

**System action:** Audit processing continues.

**User response:** After audit processing has completed, use the UPDATE VOLUME command to set the access information for this volume, if desired.

**ANR4264I**  * Audit command: Auditing file information.*

**Explanation:** This message is displayed during a database audit and indicates that information on stored files is being examined by the database audit process.

**System action:** Audit processing continues.

**User response:** None.

**ANR4265I**  * Audit command: Auditing disk file information.*

**Explanation:** This message is displayed during a database audit and indicates that information on files stored on disk media is being examined by the database audit process.

**System action:** Audit processing continues.

**User response:** None.

**ANR4266I**  * Audit command: Auditing sequential file information.*

**Explanation:** This message is displayed during a database audit and indicates that information on files stored on sequential media is being examined by the database audit process.

**System action:** Audit processing continues.

**User response:** None.

**ANR4267E**  * Audit command: A storage pool containing file data cannot be located - file data may not be accessible.*

**Explanation:** This message is displayed during a database audit and indicates that the storage volume containing a file's data cannot be located or is not defined. This problem cannot be corrected by the audit process, and the file data is deleted.

**System action:** Audit processing continues.

**User response:** Contact your service representative.

**ANR4268E**  * Audit command: A storage volume containing file data cannot be located - file data may not be accessible.*

**Explanation:** This message is displayed during a database audit and indicates that the storage volume containing a file's data cannot be located or is not defined. This problem cannot be corrected by the audit process, and the file data is deleted.

**System action:** Audit processing continues.

**User response:** Contact your service representative.

**ANR4269E**  * Audit command: Extraneous file data reference found.*

**Explanation:** A database audit process finds a reference to a file that no longer exists.

**System action:** Audit processing continues.

**User response:** Reissue the audit command with FIX=YES so that the information can be deleted.

**ANR4270E**  * Audit command: Extraneous file data reference found - information will be deleted.*

**Explanation:** A database audit process finds a reference to a file that no longer exists. Because FIX=YES has been specified for the audit command, the information will be deleted.

**System action:** Audit processing continues.

**User response:** None.

**ANR4271E**  * Audit command: Missing or incorrect occupancy information detected.*

**Explanation:** A database audit process detects missing or incorrect occupancy information for a data storage pool or a data storage volume.

**System action:** Audit processing continues.

**User response:** Reissue the audit command with FIX=YES so that the information can be created or corrected.

**ANR4272E**  * Audit command: Missing or incorrect occupancy information detected - information will be created or corrected.*

**Explanation:** A database audit process detects missing or incorrect occupancy information for a data storage pool or a data storage volume. Because FIX=YES has been specified for the audit command, the information will be created or corrected.

**System action:** Audit processing continues.

**User response:** None.
ANR4273E  Audit command: A data-integrity error was detected on volume volume name - Issue the AUDIT VOLUME command to correct the error.

Explanation: A database audit process finds a data-integrity error for a file stored on the specified volume.

System action: Audit processing continues.

User response: Issue the AUDIT VOLUME command on the specified volume to correct the data-integrity error.

ANR4274E  Audit command: A correctable data-integrity error was detected.

Explanation: A database audit process finds a data-integrity error for a stored file. This error can be corrected.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4275E  Audit command: A data-integrity error was detected - it will be corrected.

Explanation: A database audit process finds a data-integrity error for a stored file. Because FIX=YES has been specified for the audit command, the error will be corrected.

System action: Audit processing continues.

User response: None.

ANR4276E  Audit command: Invalid file storage information detected - file data is not accessible.

Explanation: A database audit process finds invalid file storage information for a stored file, and it cannot be corrected.

System action: Audit processing continues.

User response: Issue the AUDIT VOLUME command on all your volumes to correct the data-integrity error.

ANR4277E  Audit command: Invalid file storage information detected.

Explanation: A database audit process finds invalid file storage information for a stored file. This information can be corrected.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4278E  Audit command: Invalid file storage information detected - It will be corrected.

Explanation: A database audit process finds invalid file storage information for a stored file. Because FIX=YES has been specified for the audit command, the error will be corrected.

System action: Audit processing continues.

User response: None.

ANR4279E  Audit command: Administrator administrator number assigned to more than just system authority class.

Explanation: A database audit process finds that an administrator is assigned to other authority classes. Being assigned with 'SYSTEM' authority supersedes all other classes and the other privilege class entries should be deleted.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4280I  Audit command: Administrator administrator number assigned to more than just system authority class - the other class entries will be deleted.

Explanation: A database audit process finds that an administrator is assigned to other authority classes. Being assigned with 'SYSTEM' authority supersedes all other classes and the other privilege class entries should be deleted. Because FIX=YES has been specified for the command, any authority class other than system will be deleted.

System action: Audit processing continues.

User response: None.

ANR4281E  Audit command: Administrator administrator number assigned as an unrestricted policy administrator is also assigned as a restricted administrator for domain domain name.

Explanation: A database audit process finds the specified administrator is assigned as an unrestricted policy administrator. The specified administrator is also assigned as the restricted administrator for the specified policy domain. The unrestricted policy administration class supersedes any restricted policy class definitions for an administrator. The administrator’s authority needs to be corrected.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.
ANR4282I  Audit command: Administrator administrator number assigned as an unrestricted policy administrator is also assigned as administrator for domain domain name - restricted class entry will be deleted.

Explanation: A database audit process finds the specified administrator is assigned as an unrestricted policy administrator. The specified administrator is also assigned as the restricted administrator for the specified policy domain. The unrestricted policy administration class supersedes any restricted policy class definitions for an administrator. Because FIX=YES has been specified for the command, the restricted administrator policy class will be deleted.

System action: Audit processing continues.
User response: None.

ANR4283E  Audit command: Administrator administrator number assigned as an unrestricted storage administrator is also assigned as a restricted administrator for storage pool storage pool name.

Explanation: A database audit process finds the specified administrator is assigned as an unrestricted storage administrator. The specified administrator is also assigned as the restricted administrator for the specified storage pool. The unrestricted storage administration class supersedes any restricted storage class definitions for an administrator. The administrator’s authority needs to be corrected.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4284I  Audit command: Administrator administrator number assigned as an unrestricted storage administrator is also assigned as a restricted administrator for storage pool storage pool name - restricted class entry will be deleted.

Explanation: A database audit process finds the specified administrator is assigned as an unrestricted storage administrator. The specified administrator is also assigned as the restricted administrator for the specified storage pool. The unrestricted storage administration class supersedes any restricted storage class definitions for an administrator. Because FIX=YES has been specified for the command, the restricted administrator storage class will be deleted.

System action: Audit processing continues.
User response: None.

ANR4285E  Audit command: A data-integrity error was detected on a storage volume for object (Object.ID).

Explanation: A database audit process found a data-integrity error for a file stored on a storage volume, but the specific volume name is not known. If fix=yes was specified, the audit process will attempt to correct the data-integrity error.

System action: Audit processing continues.
User response: None.

ANR4286E  Audit command: A correctable storage allocation error detected for volume volume name.

Explanation: A database audit process finds incorrect block allocation information for the specified storage volume; the error can be corrected.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4287E  Audit command: Storage allocation error detected for volume volume name - It will be corrected.

Explanation: A database audit process finds incorrect block allocation information for the specified storage volume; the error will be corrected.

System action: Audit processing continues.
User response: None.

ANR4288E  Audit command: Multiple files allocated the same disk storage block on volume volume name.

Explanation: A database audit process finds multiple files allocated the same disk storage block on the specified volume; this error cannot be corrected by the audit process.

System action: Audit processing continues.
User response: Contact your service representative.

ANR4289E  Audit command: Multiple files allocated the same disk storage block on volume volume name.

Explanation: A database audit process finds multiple files allocated the same disk storage block on the specified volume; this error cannot be corrected by the audit process.

System action: Audit processing continues.
User response: Contact your service representative.
ANR4290I  *Audit command: License global attributes could not be found - they will be created.*

**Explanation:** A database audit process cannot find the license global attributes. Because FIX=YES has been specified for the command, the information is corrected by the creation of the global attributes.

**System action:** Audit processing continues.

**User response:** None.

ANR4291I  *Audit command: License global attributes could not be found.*

**Explanation:** A database audit process cannot find the license global attributes.

**System action:** Audit processing continues.

**User response:** Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4292I  *Audit command: Invalid table active column encountered for license global attribute - the value will be corrected.*

**Explanation:** A database audit process finds that the active column license global attribute is invalid. Because FIX=YES has been specified for the command, the active column is reset to a proper value.

**System action:** Audit processing continues.

**User response:** None.

ANR4293I  *Audit command: Invalid table active column encountered for license global attribute.*

**Explanation:** A database audit process finds that the active column license global attribute is invalid.

**System action:** Audit processing continues.

**User response:** Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4294I  *Audit command: A license node assignment entry was not found for node node ID - an entry will be created.*

**Explanation:** A database audit process cannot find the node assignment entry corresponding to the specified node. Since FIX=YES has been specified for the command, the required license entry will be created using default values.

**System action:** Audit processing continues.

**User response:** None.

ANR4295I  *Audit command: A license node assignment entry was not found for node node ID.*

**Explanation:** A database audit process cannot find the node assignment entry corresponding to the specified node.

**System action:** Audit processing continues.

**User response:** Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4296I  *Audit command: An invalid license node assignment entry was found for node node ID - the entry will be deleted.*

**Explanation:** A database audit process finds that the license node assignment entry is invalid. Because FIX=YES has been specified for the command, the node entry is deleted.

**System action:** Audit processing continues.

**User response:** None.

ANR4297I  *Audit command: An invalid license node assignment entry was found for node node ID.*

**Explanation:** A database audit process finds that the license node assignment entry is invalid.

**System action:** Audit processing continues.

**User response:** Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4298I  *Expiration thread already processing - unable to begin another expiration process.*

**Explanation:** The expiration thread is already processing. The processing expiration thread is either an EXPIRE INVENTORY command or is the automatic background expiration process. In either case, another expiration process cannot be started until the current expiration process completes or is canceled.

**System action:** Current expiration process continues.

**User response:** Use the QUERY PROCESS command to determine the status of the current expiration process.

ANR4299I  *Audit command: Invalid audit interval encountered for license global attribute - the value will be set to the default.*

**Explanation:** A database audit process finds that the audit interval license global attribute is invalid. Because FIX=YES has been specified for the command, the audit interval is reset to the default value.

**System action:** Audit processing continues.
ANR4300I  Audit command: Invalid audit interval encountered for license global attributes.

Explanation: A database audit process finds that the audit interval license global attribute is invalid.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4301I  Audit command: Invalid last audit date encountered for license global attribute - the value will be set to 0.

Explanation: A database audit process finds that the last audit date license global attribute is invalid. Because FIX=YES has been specified for the command, the last audit date is set to 0. The next execution of AUDIT LICENSES will set a new last audit date.

System action: Audit processing continues.

User response: None.

ANR4302I  Audit command: Invalid last audit date encountered for license global attribute.

Explanation: A database audit process finds that the last audit date license global attribute is invalid.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4303E  Audit command: Inventory references for object(Object.ID) deleted.

Explanation: A database audit process deleted all inventory references for the specified object ID. This process corrects a data-integrity error if FIX=YES was specified.

System action: Audit processing continues.

User response: None.

ANR4304E  Audit command: object name missing entry for cluster cluster ID - cluster entries deleted.

Explanation: A database audit process is missing a corresponding entry for the specified comparison object and cluster ID. This indicates a data-integrity error for the database cluster information. If FIX=YES was specified, the invalid cluster information will be deleted.

System action: Audit processing continues.

User response: None.

ANR4305E  Audit command: object name missing entry for cluster cluster ID.

Explanation: A database audit process is missing a corresponding entry for the specified comparison object and cluster ID. This indicates a data-integrity error for the database cluster information.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4306I  AUDITDB: Processed number of entries database entries (cumulative).

Explanation: This message indicates the number of database entries that have been processed during database audit processing.

System action: Database audit processing continues.

User response: None.

ANR4307I  Audit command: Auditing inventory external space-managed objects.

Explanation: This message is displayed during a database audit and indicates that server information about external space-managed client objects is currently being examined by the database audit process.

System action: Audit processing continues.

User response: None.

ANR4308I  Audit command: External space-managed entry for node node ID and file space filespace ID is missing a corresponding space-managed object entry - the external space-managed entry will be deleted.

Explanation: A database audit process finds that an external space-managed entry is missing a corresponding space-managed entry. Because FIX=YES has been specified, the orphaned external space-managed entry is deleted.

System action: Audit processing continues.

User response: None.

ANR4309I  Audit command: External space-managed entry for node node ID and file space filespace ID is missing a corresponding space-managed object entry.

Explanation: A database audit process finds that an external space-managed entry is missing a corresponding space-managed entry.

System action: Audit processing continues.

User response: Reissue the audit command and
specify FIX=YES so that the error can be corrected.

ANR4310I  Audit command: Auditing inventory space-managed objects.
Explanation: This message is displayed during a database audit and indicates that server information about space-managed client objects is currently being examined by the database audit process.
System action: Audit processing continues.
User response: None.

ANR4311I  Audit command: Object entry for space-managed object object.ID not found - entry will be created.
Explanation: A database audit process cannot find an object entry for the specified space-managed object. Because FIX=YES has been specified for the command, an object entry is created by using default values.
System action: Audit processing continues.
User response: None.

ANR4312I  Audit command: Object entry for space-managed object object.ID not found.
Explanation: A database audit process cannot find an object entry for the specified backup object.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4313I  Audit command: Space-managed object (object ID) for node node ID and file space filespace ID has one or more incorrect fields - the values will be corrected.
Explanation: A database audit process determined that one or more field values for the specified space-managed object is not valid. Because FIX=YES was specified, the values will be corrected.
System action: Audit processing continues.
User response: None.

ANR4314I  Audit command: Space-managed object (object ID) for node node ID and file space filespace ID has one or more incorrect fields.
Explanation: A database audit process determined that one or more field values for the specified space-managed object is not valid.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4315I  Audit command: Space-managed object (object ID) for node node ID and file space filespace ID is missing the corresponding external space managed entry - the entry will be created.
Explanation: A database audit process determines that the space-managed object entry is missing a corresponding external space managed entry. Because FIX=YES was specified, the missing entry will be created.
System action: Audit processing continues.
User response: None.

ANR4316I  Audit command: Space-managed object (object ID) for node node ID and file space filespace ID is missing the corresponding external space managed entry.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4317I  Audit command: External space-managed object (object ID) for node node ID and file space filespace ID has one or more incorrect fields - the values will be corrected.
Explanation: A database audit process determined that one or more field values for the specified external space-managed object is not valid. Because FIX=YES was specified, the values will be corrected.
System action: Audit processing continues.
User response: None.

ANR4318I  Audit command: External space-managed object (object ID) for node node ID and file space filespace ID has one or more incorrect fields.
System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.
ANR4319I  Audit command: Space-managed object not found for object object.ID - object entry will be deleted.

Explanation: A database audit process cannot find a space-managed object entry for the specified object. Because FIX=YES was specified the object entry will be deleted.

System action: Audit processing continues.
User response: None.

ANR4320I  Audit command: Space-managed object not found for object object.ID.

Explanation: A database audit process cannot find a space-managed object entry for the specified object.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4321I  Audit command: Invalid copy type encountered for object object.ID - object found as an space-managed object - correcting the invalid copy type

Explanation: A database audit process encounters an invalid copy type for the specified object ID, but finds a corresponding space-managed object for the entry. Because FIX=YES has been specified for the command, the invalid copy type is corrected.

System action: Audit processing continues.
User response: None.

ANR4322E  Audit command: Management class class name in policy set set name, domain domain name does not have a valid space management technique defined.

Explanation: A database audit process finds a management class that does not have a valid value specified.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4323E  Audit command: Management class class name in policy set set name, domain domain name does not have a valid space management technique defined - the default value will be set.

Explanation: A database audit process finds a management class that does not have a valid value specified. Because FIX=YES was specified for the AUDITDB operation, the default space management technique value will be set for the management class specified.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4324E  Audit command: Management class class name in policy set set name, domain domain name does not have a valid AUTOMIGNONUSE value specified.

Explanation: A database audit process finds a management class that does not have a valid value specified.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4325E  Audit command: Management class class name in policy set set name, domain domain name does not have a valid AUTOMIGNONUSE value defined - the default value will be set.

Explanation: A database audit process finds a management class that does not have a valid value specified. Because FIX=YES was specified for the AUDITDB operation, the default AUTOMIGNONUSE value will be set for the management class specified.

System action: Audit processing continues.
User response: Refer to the DEFINE MGMTCLASS command in the Administrator's Reference for valid values.

ANR4326E  Audit command: Management class class name in policy set set name, domain domain name does not have a valid MIGREQUIRESBKUP value specified.

Explanation: A database audit process finds a management class that does not have a valid value specified.

System action: Audit processing continues.
User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4327E  Audit command: Management class class name in policy set set name, domain domain name does not have a valid MIGREQUIRESBKUP value defined - the default value will be set.

Explanation: A database audit process finds a management class that does not have a valid value specified. Because FIX=YES was specified for the
AUDITDB operation, the default MIGREQUIRESBKUP value will be set for the management class specified.

System action: Audit processing continues.
User response: Refer to the DEFINE MGMTCLASS command in the Administrator’s Reference for valid values.

ANR4328W Audit command: Storage pool storage pool name, specified as a space management destination for management class management class name, policy set set name, domain domain name, does not exist.

Explanation: A database audit process encounters a storage pool specified for the space management destination of the specified management class that is not defined in the server database. If this management class is used in an active policy set, then migration operations will fail when attempting to put client data in the destination.

System action: Audit processing continues.
User response: After the audit command completes, use the DEFINE STGPOOL command to define the missing storage pool or the UPDATE MGMTCLASS command to update the management class to refer to an existing storage pool.

ANR4329I Audit command: Inactive reference found for active backup entry (Object.ID) - the inactive reference will be deleted.

Explanation: A database audit process found that an active backup entry for the specified object has a corresponding inactive backup entry. Since FIX=YES was specified for the command, the information is corrected by deleting the inactive backup object entry.

System action: Audit processing continues.
User response: None.

ANR4330I Audit command: Inactive reference found for active backup entry (Object.ID).

Explanation: A database audit process found that an active backup entry for the specified object has a corresponding inactive backup entry.

System action: Audit processing continues.
User response: None.

ANR4331E command process terminated, no matching device classes.

Explanation: The server did not find any device class names matching the specifications entered in the RECONCILE VOLUMES command.

System action: Server operation continues.

User response: Use the QUERY DEVCLASS command to determine which device classes are defined on the server and reissue the RECONCILE VOLUMES command.

ANR4332W This command will compare all volumes used by the specified device class(es) with the actual data stored on the associated server for those volumes and will report any discrepancies; the data will be inaccessible to users until the operation completes.

Explanation: During the execution of a RECONCILE VOLUMES command, any data a volume named would be unavailable to users.

System action: The administrator is asked whether to continue.
User response: Enter ‘Y’ to reconcile the volumes or ‘N’ to stop the process.

ANR4333W This command will discard any references to volumes used by the specified device class(es) that are missing from the associated server, thereby rendering the data unrecoverable; the valid volumes will be inaccessible to users until the operation completes.

Explanation: During the execution of a RECONCILE VOLUMES command, any data on a volume being reconciled would be unavailable to users. After the command has ended, any inconsistent volumes found will be discarded.

System action: The administrator is asked whether to continue.
User response: Enter ‘Y’ to reconcile the volumes or ‘N’ to stop the process.

ANR4334I command (Repair) process started, process ID process ID.

Explanation: As the result of a RECONCILE VOLUMES command that specified FIX=YES, the process whose ID is displayed has begun reconciling the volumes associated with the given device class.

System action: The volumes are reconciled and invalid volumes are displayed.
User response: None.

ANR4335I command (Inspect Only) process started, process ID process ID.

Explanation: As the result of a RECONCILE VOLUMES command that specified FIX=NO, the process whose ID is displayed has begun reconciling
the volumes associated with the given device class.

**System action:** The volumes are reconciled and inconsistent volumes are displayed.

**User response:** None.

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**ANR4336W** command process ended, process ID process ID.

**Explanation:** The RECONCILE VOLUMES command for the specified device class has ended.

**System action:** None.

**User response:** For complete details on the results of the RECONCILE VOLUMES command, examine the previous messages.

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**ANR4337W** command process terminated - process canceled.

**Explanation:** During processing of a RECONCILE VOLUMES command, the process performing the reconcile was canceled.

**System action:** The RECONCILE VOLUMES command is ended.

**User response:** None.

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**ANR4338W** command process terminated - sufficient recovery log space is not available.

**Explanation:** During processing of a RECONCILE VOLUMES command, the source server does not have sufficient recovery log space to continue.

**System action:** The RECONCILE VOLUMES command is ended.

**User response:** If necessary, make more recovery log space available to the source server.

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**ANR4339W** command process terminated - sufficient database space is not available.

**Explanation:** During processing of a RECONCILE VOLUMES command, the source server does not have sufficient database space to continue.

**System action:** The RECONCILE VOLUMES command is ended.

**User response:** If necessary, make more database space available to the source server.

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**ANR4340W** command process terminated - thread resource not available.

**Explanation:** During processing of a RECONCILE VOLUMES command, the source server cannot start a thread for the reconcile process.

**System action:** The RECONCILE VOLUMES command is ended.

**User response:** None.

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**ANR4341W** command process terminated - sufficient memory is not available.

**Explanation:** During processing of a RECONCILE VOLUMES command, the source server does not have enough memory available to complete the command.

**System action:** The RECONCILE VOLUMES command is ended.

**User response:** If necessary make more memory available to the source server.

---

**ANR4342W** command process terminated - lock conflict detected.

**Explanation:** During processing of a RECONCILE VOLUMES command, the source server cannot obtain a required lock.

**System action:** The RECONCILE VOLUMES command is ended.

**User response:** Reissue the RECONCILE VOLUMES command.

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**ANR4343W** command process terminated - internal server error detected.

**Explanation:** During processing of a RECONCILE VOLUMES command, an internal server error occurs on the source server.

**System action:** The RECONCILE VOLUMES command is ended.

**User response:** Contact your service representative.

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**ANR4344I** command started for device class device class (process ID process ID).

**Explanation:** The RECONCILE VOLUMES process whose ID is displayed has started reconciling volumes associated with the given device class.

**System action:** The volumes are reconciled and inconsistent volumes are displayed.

**User response:** None.

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**ANR4345I** command completed for device class device class (process ID process ID); volume count volumes inspected, volume count invalid volumes found, volume count volumes deleted.

**Explanation:** The RECONCILE VOLUMES process whose ID is displayed has finished reconciling volumes associated with the given device class. The number of volumes reconciled and the number of invalid volumes
found or deleted are displayed.

System action: None.

User response: For complete details on the results of the RECONCILE VOLUMES command for the shown device class, examine the previous messages.

ANR4346I command completed for device class device class (process ID process ID); volume count volumes inspected, volume count invalid volumes found.

Explanation: The RECONCILE VOLUMES process whose ID is displayed has finished reconciling volumes associated with the given device class. The number of volumes reconciled and the number of invalid volumes found are displayed.

System action: None.

User response: For complete details on the results of the RECONCILE VOLUMES command for the shown device class, examine the previous messages. If you suspect that volumes were inaccessible because of communications problems, correct the problems and retry the RECONCILE VOLUMES command. If the errors are valid, reissue the reconcile volumes command with FIX=YES so that the source server can attempt to correct the information.

ANR4352I Contacting Server server name

Explanation: This message is displayed in response to a QUERY PROCESS command, and indicates that a reconciliation process is attempting to obtain volume information from the shown server.

System action: The reconciliation process continues.

User response: None.

ANR4353I Cancel in progress

Explanation: This message is displayed in response to a QUERY PROCESS command, and indicates that a reconciliation process has been canceled. The process will end shortly.

System action: The reconciliation process terminates and server operation continues.

User response: None.

ANR4354W command: Source server not authorized to reconcile target server server name.

Explanation: During processing of a RECONCILE VOLUMES command, the source server was not permitted to reconcile volume on the shown target server.

System action: The reconciliation process continues.

User response: If the source server should have permission to reconcile volumes on the shown target server, issue the UPDATE SERVER command with FORCESYNC=YES to cause the target server to accept reconcile operations for the source server. Reissue the RECONCILE VOLUMES command.

ANR4355W command: Volume volume name not valid, source server missing corresponding entry for target server.

Explanation: As the result of a RECONCILE VOLUMES command, the volume shown was reported by the target server and it has no matching volume on the source server.

System action: The reconciliation process continues.

User response: The database on either the source or target server has been regressed by either a RESTORE DATABASE operation or some system facility external to the server. Investigate the action that caused one or both of the databases to be regressed to their current condition. If a newer database image exists for that server, consider restoring the server to that point in time. If the condition of the database on each server is acceptable and the RECONCILE VOLUMES command was issued with FIX=NO, reissue the RECONCILE VOLUMES command with FIX=Yes to have the volume deleted from the target server.

ANR4356W command: Volume volume name not valid, target server missing corresponding entry for source server.

Explanation: As the result of a RECONCILE VOLUMES command, the volume shown was found on the source server and it has no matching volume on the target server.

System action: The reconciliation process continues.

User response: The database on either the source or target server has been regressed by either an RESTORE DATABASE operation or some system facility external to the server. Investigate the action that caused one or both of the databases to be regressed to their current condition. If a newer database image exists for that server, consider restoring the server to that point in time. If the condition of the database on each server is acceptable, issue the DELETE VOLUME or DELETE VOLHISTORY command on the source server to remove the volume from the database.

ANR4357W command: Volume volume name not valid, target server volume refers to device class device class that does not exist on the source server.

Explanation: As the result of a RECONCILE
VOLUMES command, the volume shown was found on the target server and it is associated with the device class shown. The source server has NO corresponding device class.

**System action:** The reconciliation process continues.

**User response:** The database on either the source or target server has been regressed by either an RESTORE DATABASE operation or some system facility external to the server. Investigate the action that caused one or both of the databases to be regressed to their current condition. If a newer database image exist for that server, consider restoring the server to that point in time. In the case of a volume in the VOLHISTORY, the device class may have been deleted from the source server. If possible, issue the DEFINE DEVCLASS command to correct the situation. If the condition of the database on each server is acceptable and the RECONCILE VOLUMES command was issued with FIX=NO, reissue the RECONCILE VOLUMES command with FIX=Yes to have the volume deleted from the target server.

**ANR4358W**  
*command: Volume volume name not valid, the attributes of the volume on target server do not match the attributes on the source server.*

**Explanation:** As the result of a RECONCILE VOLUMES command, the volume shown was found on both the source and target server, but the attributes describing the volume does not match.

**System action:** The reconciliation process continues.

**User response:** The database on either the source or target server has been regressed by either a RESTORE DATABASE operation or some system facility external to the server. Investigate the action that caused one or both of the databases to be regressed to their current condition. If a newer database image exist for that server, consider restoring the server to that point in time. If the condition of the database on each server is acceptable, additional actions will have to be taken because RECONCILE VOLUMES FIX=Yes is unable to correct this situation. In the case of a volume in the VOLHISTORY, an IMPORT PREVIEW=YES or a RESTORE DATABASE PREVIEW=YES will determine the integrity of the volume. If the volume is in error, a DELETE VOLHISTORY will remove the volume from both the source and target servers. In the case of a volume in a storage pool, an AUDIT VOLUME FIX=NO will determine the integrity of the volume. If errors are found, an AUDIT VOLUME FIX=Yes may make some data on the volume accessible. Otherwise, issue the DELETE VOLUME command on the server to remove the volume from both the source and target servers.

**ANR4359W**  
*command: Volume volume name not valid, the size of the volume on target server does not match the size on the source server.*

**Explanation:** As the result of a RECONCILE VOLUMES command, the volume shown was found on both the source and target server, but the size of the volume does not match.

**System action:** The reconciliation process continues.

**User response:** The database on either the source or target server has been regressed by either an RESTORE DATABASE operation or some system facility external to the server. Investigate the action that caused one or both of the databases to be regressed to there current condition. If a newer database image exist for that server, consider restoring the server to that point in time. If the condition of the database on each server is acceptable, additional actions will have to be taken because RECONCILE VOLUMES FIX=Yes is unable to correct this situation. In the case of a volume in the VOLHISTORY, an IMPORT PREVIEW=YES or a RESTORE DATABASE PREVIEW=YES will determine the integrity of the volume. If the volume is in error, a DELETE VOLHISTORY will remove the volume from both the source and target servers. In the case of a volume in a storage pool, an AUDIT VOLUME FIX=NO will determine the integrity of the volume. If errors are found, an AUDIT VOLUME FIX=Yes may make some data on the volume accessible. Otherwise, issue the DELETE VOLUME command on the server to remove the volume from both the source and target servers.

**ANR4360W**  
*command: Volume volume name not valid, the type of the volume on target server does not match the type on the source server.*

**Explanation:** As the result of a RECONCILE VOLUMES command, the volume shown was found on both the source and target server, but the type of the volume does not match. For example, the volume on the target server is defined in a storage pool, but the target server indicates that volume was used for a DATABASE BACKUP.

**System action:** The reconciliation process continues.

**User response:** The database on either the source or target server has been regressed by either a RESTORE DATABASE operation or some system facility external to the server. Investigate the action that caused one or both of the databases to be regressed to there current condition. If a newer database image exist for that server, consider restoring the server to that point in time. If the condition of the database on each server is acceptable, additional actions will have to be taken because RECONCILE VOLUMES FIX=Yes is unable to correct this situation. These actions may have to be performed on one or both servers. Use the QUERY
VOLHISTORY and QUERY VOLUME commands on both servers to determine the volume type on each server. In the case of a volume in the VOLHISTORY, a DELETE VOLHISTORY on the appropriate server that will remove the volume on that server. In the case of a volume in a storage pool, the DELETE VOLUME command on the appropriate server will remove the volume on that server.

**ANR4361W** command: Volume volume name not valid, the target server has reported damage to all or part of the volume.

**Explanation:** As the result of a RECONCILE VOLUMES command, the volume shown was found on both the source and target server, but the target server has reported damage to all or part of the volume.

**System action:** The reconciliation process continues.

**User response:** On the target server, an audit with FIX=NO of the volumes in the storage pool used by the source server will indicate what which volume on the target server is damaged. This AUDIT VOLUME command may be able to reset the damaged indicator in the database if the damage was temporary due to hardware problems (for example, dirty tape heads). If the volume on the target server is in a primary storage pool that has previously been backed up to a copy storage pool, attempt to correct the damage by using the RESTORE STGPOOL command. If attempts to correct the damage on the target server fail, an AUDIT VOLUME command FIX=YES from the source server will mark as damaged in the source server database each file that is inaccessible and those files will not be accessed for future operations. If the files are part of an aggregate, the entire aggregate will be marked damaged. If a usable copy of the file exists in another storage pool, that copy may be accessed for future operations involving the file.

**ANR4362W** command: Invalid volume volume name deleted from server server name for device class device class.

**Explanation:** As the result of a RECONCILE VOLUMES command that specified FIX=YES, the volume shown whose information is displayed is deleted from the target server.

**System action:** The volume is deleted.

**User response:** None.

**ANR4363W** command: Volume volume name access changed to access mode.

**Explanation:** As the result of a RECONCILE VOLUMES command that specified FIX=YES, the access mode of the source volume has been changed to the value shown.

**System action:** The volume's access mode is changed.

**User response:** Review any additional messages issued by the RECONCILE VOLUMES command and correct the errors that set the volume to unavailable, or use the DELETE VOLUME command to remove it from the system.

**ANR4364W** command: Unable to connect to target server server name.

**Explanation:** During processing of indicated command, the source server was unable to maintain communications with the shown target server.

**System action:** The command process continues.

**User response:** Check both the source server and the target server for any additional messages that might further describe the communications problem.

**ANR4365W** command: Prefix for volume volume name does not match the device class prefix.

**Explanation:** As the result of a RECONCILE VOLUMES command, the volume shown was found on both the source and target server, but the beginning portion of the high-level archive file name (the prefix) on the target server does not match the prefix in the device class on the source server.

**System action:** The reconciliation process continues.

**User response:** Verify that the prefix in the device class on the source server is correct and update it if necessary. Use the RECONCILE VOLUMES FIX=YES command on the source server to rename the target archive objects to match the device class on the source server.

**ANR4366I** command: Prefix for volume volume name was changed to match the device class prefix.

**Explanation:** As the result of a RECONCILE VOLUMES FIX=YES command, the beginning portion of the high-level archive file name (the prefix) on the target server was changed to match the prefix in the device class on the source server.

**System action:** The prefix is corrected.

**User response:** None.

**ANR4367E** Audit command: A storage volume containing file data cannot be located - file data may not be accessible.

**Explanation:** This message is displayed during a database audit and indicates that the storage volume containing a file's data cannot be located or is not defined.

**System action:** Audit processing continues.

**User response:** Reissue the audit command with
FIX=YES and the server will attempt to recreate the missing volume definition. If the server cannot recreate the missing volume information, the server will delete the inaccessible file data.

ANR4368I Audit command: Attributes for group group.ID and member member.ID are not correct - the attributes are corrected.

Explanation: A database audit process determines that attributes for the specified group ID and member ID do not match attributes for the corresponding primary backup object. Because FIX=YES was specified for the command, the incorrect attributes are corrected.

System action: Audit processing continues.

User response: None.

ANR4369I Audit command: Attributes for group group.ID and member member.ID are not correct.

Explanation: A database audit process determines that attributes for the specified group ID and member ID do not match attributes for the corresponding primary backup object.

System action: Audit processing continues.

User response: The AUDITDB process should be re-issued with FIX=YES specified.

ANR4370E The source server is not authorized to create volumes on target server server name.

Explanation: The source server has attempted to create a volume on the shown target server, but the operation failed because the source server does not have the authority to create volumes.

System action: The operation fails.

User response: If the source server should have permission to create volumes on the shown target server, issue the UPDATE SERVER command with FORCESYNC=YES to cause the target server to accept volume create operations for the source server. Retry the failing operation.

ANR4371E Information on the source server does not match information on target server server name.

Explanation: The source server has determined that information contained on the shown target server no longer matches information contained on the source server.

System action: The operation fails.

User response: Issue the RECONCILE VOLUMES command to determine the problem. If possible, correct the problem and retry the failing operation.

ANR4372E The password on the source server does not match the password on target server server name.

Explanation: The source server has attempted to update both the source password and the target password. An error occurred that prevented the source server from updating the target server. The passwords no longer match.

System action: The operation fails.

User response: On the target server, issue the UPDATE NODE command to change the password. On the source server, issue the UPDATE SERVER command to change the password to match the new password on the target server. Retry the failing operation.

ANR4373E Session rejected by target server server name, reason: rejection reason.

Explanation: The source server tried to open a session with the target server. The session was rejected for the indicated reason.

System action: The operation fails.

User response: Check both the source server and the target server for any additional messages that might further describe the reason the session was rejected. For a reason of AUTHENTICATION FAILURE, ensure that both the source and target servers are using the same password. For a reason of NO RESOURCE, ensure that the target server is enabled, has sufficient DB, LOG, and memory resource to support the source server session, and that the node name of the source server is not locked or in use. If this is a routed command, check to make sure that the administrator id being used to route the command is not locked or in use. For a reason of LICENSE FAILURE, ensure that the target server is properly licensed to support the source server session. For a reason of DOWN LEVEL, ensure that the target server program is a level new enough to support the source server session. For a reason of NODE TYPE, the source server is not allowed to establish a session with the given target server. The NODETYPE on the target server is CLIENT. The NODENAME parameter of the server definition on the source server is incorrect. The NODETYPE parameter of the registered node on the target server is incorrect and should be NODETYPE=SERVER. For a reason of INTERNAL ERROR, use the messages on the target server to determine the problem. For all reasons, if none of the above are applicable, ensure that the target server has not disabled this server with the DISABLE SESSIONS SERVER command. Retry the failing operation.
ANR4374E  Session failure, source server detected an internal error.

**Explanation:** The source server ends the session because an internal logic error is detected.

**System action:** The source server ends the session and continues operation.

**User response:** To determine the source of the error, the administrator can examine server messages issued prior to this message. The QUERY ACTLOG command can be used to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR4375E  Session failure, source server has insufficient memory.

**Explanation:** The source server ends the session because sufficient memory (virtual memory) is not available.

**System action:** The source server ends the session and continues operation.

**User response:** See the documentation for the operating system about how to increase memory for an application.

ANR4376E  Session failure, target server server name is locked on the source server.

**Explanation:** The source server ends the session because shown target server is locked from source server access.

**System action:** The source server ends the session and continues operation.

**User response:** Before the source server is permitted to access the target server, a properly authorized administrator must unlock the target server.

ANR4377E  Session failure, target server server name is not defined on the source server.

**Explanation:** The source server ends the session because shown target server is not defined on the source server.

**System action:** The source server ends the session and continues operation.

**User response:** The target server must be correctly defined before it can be accessed by the source server. Before you attempt the next operation, define the target server by using the DEFINE SERVER command.

If the target server is a replication server and its server definition was incorrectly deleted, redefine the server by using the DEFINE SERVER command before you attempt replication. However, if you intend to remove the target server from replication because it is no longer required, use the REMOVE REPLSERVER command to remove the target server from the list of replication servers.

ANR4378E  For device class device class, the retry of a session with target server server name has timed out.

**Explanation:** The source server has attempted to re-establish a session with the shown target server, but the RETRYPERIOD from the given device class has been exceeded.

**System action:** The source server ends the operation.

**User response:** Determine if the target server is having a problem or considering increasing the RETRYPERIOD value.

ANR4379E  The source server was unable to update the password on target server server name.

**Explanation:** The source server has attempted to update the target password. An error occurred that prevented the source server from updating the target server.

**System action:** The operation fails.

**User response:** On the target server, determine the cause of the problem and correct it. It may be necessary for an administrator to correct the passwords with the following actions. On the target server, issue the UPDATE NODE command to change the password. On the source server, issue the UPDATE SERVER command to change the password to match the new password on the target server. Retry the failing operation.

ANR4380E  The source server was unable to update the server validation key on target server server name.

**Explanation:** The source server has attempted to update it's server validation key on the target server. An error occurred that prevented the source server from updating the target server.

**System action:** The operation fails.

**User response:** On the target server, determine the cause of the problem and correct it. It may be necessary for an administrator to correct the keys with the following actions. On the source server, issue the UPDATE SERVER command with FORCESYNC=YES to cause an attempt to synchronize the keys on both the source and target servers. Retry the failing operation.

ANR4381E  The source server was unable to register with target server server name.

**Explanation:** The source server has attempted to register with the shown target server. An error occurred.
that prevented the source server from registering with the target server.

**System action:** The operation fails.

**User response:** Ask an authorized administrator to submit the request on the use of the target server using REGISTER NODE command. Retry the failing operation.

**ANR4383E**  Session failure, target server server name is incomplete, missing policy object.

**Explanation:** The source server ends the session because the shown target server has provided policy information which is incomplete. The missing policy object is shown.

**System action:** The source server ends the session and continues operation.

**User response:** Use the appropriate commands on the target server to complete the policy definitions being used by the source server. Retry the failing operation.

**ANR4384E**  Node node name is not allowed to establish a session as a target server.

**Explanation:** The node specified has attempted to establish a session with this system and this is not permitted due to the NODETYPE for this node.

**System action:** The operation fails.

**User response:** To allow the specified node to establish a session as a target server, the node must be registered with a NODETYPE of SERVER. Or else change the node name on the target server to a node name that is allowed to establish a session using a node name that was registered with the NODETYPE=SERVER parameter specified.

**ANR4385I**  Session retry in progress with target server server name.

**Explanation:** The source server is attempting to re-establish a session with the shown target server. Session retry processing occurs when the source server has lost the connection with a target server and a RETRYPERIOD value is specified.

**System action:** The source server attempts to contact the target server.

**User response:** Determine if the target server is having a problem and considering canceling the operation on the source server or correcting the problem with the target server.

**ANR4386I**  Session retry was successful for target server server name.

**Explanation:** The source server has re-establish a session with the shown target server.

**System action:** Source server processing continues.

**User response:** None.

**ANR4387E**  Session session number for node node name (client platform) refused - node name not registered as TYPE=CLIENT.

**Explanation:** The server refuses a request to start a client session because the client node name is not registered as a node of TYPE=CLIENT. This node name is already in use either as a server definition as defined by a DEFINE SERVER command or else as a node of TYPE=SERVER using the REGISTER NODE command.

**System action:** Server operation continues.

**User response:** Issue a QUERY NODE TYPE=SERVER or a QUERY SERVER to determine which server definition already is using this node name. This client should be registered using the REGISTER NODE TYPE=CLIENT command and specify a name that is not in use by any other nodes or server defined to this server.

**ANR4388W**  No expiration process to cancel.

**Explanation:** The CANCEL EXPIRATION command was issued but there were no expiration processes currently running.

**System action:** Server operation continues.

**User response:** None.

**ANR4389I**  Expiration process cancelled.

**Explanation:** The CANCEL EXPIRATION command was issued and successfully cancelled the current process.

**System action:** Server operation continues.
ANR4390E | CANCEL EXPIRATION failed - unable to cancel expiration process.

Explanation: The CANCEL EXPIRATION command was issued but encountered an error. Due to this error, the command was unable to cancel the process.

System action: Server operation continues.

User response: Issue the command QUERY PROCESS to determine the process number for the expiration process and then issue the command CANCEL PROCESS for that process number. This will cancel the current expiration process.

ANR4391I | Expiration processing node node name, filesystem filesystem name, fsiId filesystem id, domain domain name, and management class management class name - for type type files.

Explanation: Expiration processing is currently evaluating information for the node, filesystem, domain name, and management class specified for the file type indicated.

System action: Server operation continues.

User response: None.

ANR4395I | Audit command: Invalid node type encountered for node node name.

Explanation: A database audit process encounters an invalid node type for the node indicated, and FIX=YES was not specified.

System action: Audit processing continues.

User response: You may want to run this command again, specifying FIX=YES so that the audit process can correct the problem.

ANR4396I | Audit command: Invalid node type encountered for node node name. The default type will be set.

Explanation: A database audit process encounters an invalid node type for the node indicated. Because FIX=YES has been specified, the audit function sets the node’s type to the default value.

System action: Audit processing continues.

User response: If you want the node type for the specified node to be other than the default, you must remove and re-register the node with the correct type after the audit command has completed.

ANR4397E | Audit command: An invalid data format was encountered for storage pool storage pool name.

Explanation: A database audit process encounters an invalid data format for the specified storage pool.

System action: Audit processing continues.

User response: Reissue the audit command with FIX=YES so that the attribute can be corrected.

ANR4398E | Audit command: An invalid data format was encountered for storage pool storage pool name - the data format will be assigned its default value.

Explanation: A database audit process encounters an invalid data format for the specified storage pool.

System action: Because FIX=YES has been specified for the command, the audit process assigns the default value to the data format. Audit processing continues.

User response: If you want the data format for the specified storage pool to be other than the default, you must delete and re-define the storage pool with the desired type after the audit command has completed.

ANR4399E | NAS file server NAS file server name is reporting NDMP error number NDMP error number: NDMP error description.

System action: The process ends.

User response: To identify the cause of the network data management protocol (NDMP) error, see the documentation for the network-attached storage (NAS) file server. Review the NDMP logs for the NAS file server, resolve the error, and restart the operation.

ANR4402I | Database Dump command: Database update activity resumed

Explanation: Database update activities that were suspended by the database dump process are restarted.

System action: Server operation continues.

User response: None.

ANR4403I | Database Load command: Database dump image is consistent - a database audit (AUDITDB) will NOT be required if this load completes successfully.

Explanation: The database dump that is currently being loaded by the LOADDDB process is a consistent database image. This process implies that a database audit (AUDITDB) will not be required if the load completes successfully.

System action: Server database load processing continues.
ANR4404I  Database Load command: Loaded a consistent dump image - a database audit (AUDITDB) is NOT required.

Explanation: The database dump image loaded by the LOAD command was consistent. A database audit (AUDITDB) is not required. The server may be started normally.

System action: Server database load processing completes.

User response: None.

ANR4405I  Database Load command: Loaded an inconsistent dump image - a database audit (AUDITDB) is REQUIRED with FIX=YES.

Explanation: The database dump image loaded by the LOAD command was not consistent. A database audit (AUDITDB) with FIX=YES is required to return the database to a consistent state.

System action: Server database load processing completes.

User response: To check the database for inconsistencies and correct any inconsistencies, use the database audit (AUDITDB) utility as described in the Administrator's Reference.

ANR4406I  Audit command: Client option Client option name sequence number option sequence number in optionset optionset name is not a member of an optionset. The option will be deleted.

Explanation: A database audit process found that the specified client option does not have a corresponding optionset. The option is deleted.

System action: Audit processing continues.

User response: None.

ANR4407I  Audit command: Client option Client option name sequence number option sequence number is not a member of an optionset.

Explanation: A database audit process found that the specified client option does not have a corresponding optionset. The option is deleted.

System action: Audit processing continues.

User response: None.

ANR4408I  Audit command: Client option Client option name sequence number option sequence number in optionset optionset name is not a valid option. The option will be deleted.

Explanation: A database audit process found that the specified client option is not a valid option. The option is deleted.

System action: Audit processing continues.

User response: None.

ANR4409I  Audit command: Client option Client option name sequence number option sequence number in optionset option set is not a valid option.

Explanation: A database audit process found that the specified client option is not a valid option.

System action: Audit processing continues.

User response: Reissue the audit command and specify FIX=YES so that the error can be corrected.

ANR4410I  Triggered space expansion will be retried in number of seconds seconds.

Explanation: Because of a problem encountered during a triggered space expansion for the database and/or recovery log, the current expansion stops but will be retried after the time period shown.

System action: The system waits for the specified period and then retries to expand the database and/or recovery log.

User response: If possible, correct the condition that stopped the expansion. If the problem persists, contact your service representative.

ANR4411I  Triggered space expansion retry delay ended; checking space trigger criteria.

Explanation: Because a triggered space expansion had been stopped due to a problem, the system waited before retrying. The retry wait period has ended, and the system can now retry to expand space for the database and/or recovery log.

System action: Space expansion begins.

User response: None.

ANR4412I  Data Base and Recovery Log Space expansion triggered.

Explanation: A triggered space expansion had started.

System action: Space expansion begins.

User response: None.
ANR4413I  Recovery Log Space expansion Is Needed, megabytes needed Megabytes needed.

Explanation: The recovery log is above the utilization percentage defined in a DEFINE SPACETRIGGER LOG command. An expansion of the indicated number of megabytes are needed to be above the space trigger utilization value.

System action: Space expansion begins if supported on this platform.

User response: None.

ANR4414I  Data Base Space expansion Is Needed, megabytes needed Megabytes needed.

Explanation: The database is above the utilization percentage defined in a DEFINE SPACETRIGGER DB command. An expansion of the indicated number of megabytes are needed to be above the space trigger utilization value.

System action: Space expansion begins if supported on this platform.

User response: None.

ANR4415I  Data Base and Recovery Log Space Expansion Completed.

Explanation: A triggered space expansion had completed.

System action: Normal operations resume.

User response: None.

ANR4416W  Unable to Determine Maximum Number of Data Base Volume Copies, return code.

Explanation: The Data Base Space Trigger was in the processing of expanding the data base by creating new database volumes. In doing so, the maximum number of copy volumes for any database volume is determined. The process of determining this value failed.

System action: Server operation continues. No additional database copy volumes are created during this database space expansion.

User response: Use the Query DBVOL command to determine if your database volume configuration is satisfactory. You may use the DEFINE DBCOPY command to define additional database volume copies, if necessary.

ANR4417W  Unable to Create Data Base Copy Volume Data Base Copy Volume for volume Data Base Volume.

Explanation: The Data Base Space Trigger was in the processing of expanding the data base by creating new database volumes. In doing so, database copy volumes are created for mirroring. The indicated database copy volume could not be created for the primary database volume named.

System action: Server operation continues. A database copy volume is not created for the indicated primary volume.

User response: Use the Query DBVOL command to determine if your database volume configuration is satisfactory. You may use the DEFINE DBCOPY command to define additional database volume copies, if necessary.

ANR4418W  Unable to Define Data Base Copy Volume Data Base Copy Volume for volume Data Base Volume.

Explanation: The Data Base Space Trigger was in the processing of expanding the data base by creating new database volumes. In doing so, database copy volumes are created for mirroring. The indicated database copy volume was created for the primary database volume named, but could be registered with the server.

System action: Server operation continues. A database copy volumes is not registered for the indicated primary volume. The database copy volume still exists on the system.

User response: Use the Query DBVOL command to determine if your database volume configuration is satisfactory. You may use the DEFINE DBCOPY command to retry the definition of the database volume copy, if necessary.

ANR4419W  Unable to Determine Maximum Number of Recovery Log Volume Copies, return code.

Explanation: The Recovery Log Space Trigger was in the processing of expanding the recovery log by creating new recovery log volumes. In doing so, the maximum number of copy volumes for any recovery log volume is determined. The process of determining this value failed.

System action: Server operation continues. No additional recovery log copy volumes are created during this recovery log space expansion.

User response: Use the QUERY LOGVOL command to determine if your recovery log volume configuration is satisfactory. You may use the DEFINE LOGCOPY command to define additional recovery log volume copies, if necessary.

**Explanation:** The Recovery Log Space Trigger was in the processing of expanding the recovery log by creating new database volumes. In doing so, recovery log copy volumes are created for mirroring. The indicated recovery log copy volume could not be created for the primary recovery log volume named.

**System action:** Server operation continues. A recovery log copy volume is not created for the indicated primary volume.

**User response:** Use the QUERY LOGVOL command to determine if your recovery log volume configuration is satisfactory. You may use the DEFINE LOGCOPY command to define additional recovery log volume copies, if necessary.

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**Explanation:** The Recovery Log Space Trigger was in the processing of expanding the recovery log by creating new recovery log volumes. In doing so, recovery log copy volumes are created for mirroring. The indicated recovery log copy volume was created for the primary recovery log volume named, but could not be registered with the server.

**System action:** Server operation continues. A recovery log copy volume is not registered for the indicated primary volume. The recovery log copy volume still exists on the system.

**User response:** Use the QUERY LOGVOL command to determine if your recovery log volume configuration is satisfactory. You may use the DEFINE LOGCOPY command to retry the definition of the recovery log volume copy, if necessary.

---

**ANR4422I** AUDITDB: Insufficient database space to optimize audit processing.

**Explanation:** A database audit process found that insufficient database space is available to optimize audit processing. If the audit can process, it will take much longer to complete than if the space was available.

**System action:** Audit processing continues of possible, but may terminate if very little space is available.

**User response:** Use the dsmserv extend db command to increase the size of the server database and restart the database audit function.

---

**ANR4423I** AUDITDB: Insufficient database space to continue audit processing.

**Explanation:** A database audit process found that insufficient database space is available to continue audit processing.

**System action:** Audit processing terminates.

**User response:** Use the dsmserv extend db command to increase the size of the server database and restart the database audit function.

---

**ANR4424W** Database has reached Maximum Size in Space Trigger.

**Explanation:** The Data Base Space Trigger was specified with a maximum size for the data base. That value has been reached for the size of the database.

**System action:** Server operation continues. No additional database space expansion will occur as a result of the database space trigger.

**User response:** None. You may review the space trigger settings and use the UPDATE SPACETRIGGER DB command to adjust space trigger values.

---

**ANR4425W** Recovery Log has reached Maximum Size in Space Trigger.

**Explanation:** The Recovery Log Space Trigger was specified with a maximum size for the recovery log. That value has been reached for the size of the recovery log.

**System action:** Server operation continues. No additional recovery log expansion will occur as a result of the recovery log space trigger.

**User response:** None. You may review the space trigger settings and use the UPDATE SPACETRIGGER LOG command to adjust space trigger values.

---

**ANR4426W** Recovery Log can no longer be Expanded by the Space Trigger.

**Explanation:** The Recovery Log Space Trigger was going to automatically expand the recovery log. Expanding the recovery log would cause the recovery log’s size to exceed 13GB, which is beyond the server maximum limit for the recovery log.

**System action:** Server operation continues, but the recovery log is not automatically expanded. No additional recovery log expansion will occur as a result of the recovery log space trigger.

**User response:** None. You may review the space trigger settings and use the UPDATE SPACETRIGGER LOG command to adjust space trigger values. You may also backup the data base and/or setup a database backup trigger to cause the database to be backed up more often. Backing up the database will decrease the...
recovery log utilization and you then use the REDUCE LOG and DELETE LOGVOLUME command to decrease the size of the recovery log.

**ANR4427W** One or more Recovery Log Volumes differ in number of copy volumes.

**Explanation:** The Recovery Log Space Trigger was in the processing of expanding the recovery log by creating new volumes. In doing so, copy volumes are created for mirroring, and existing volumes are examined for mirroring. One or more recovery log volumes was found to have a different number of copy volumes than other volumes of the same type. It is recommended that the same number of copy volumes be created for each volume of the same type (database or log).

**System action:** Server operation continues.

**User response:** Use the QUERY LOGVOL command to determine if your volume configuration is satisfactory. You may use the DEFINE LOGCOPY command to define additional copy volumes, if necessary. You may use the DELETE LOGCOPY command to delete unnecessary copy volumes.

**ANR4428W** One or more Data Base Volumes differs in number of copy volumes.

**Explanation:** The Data Base Space Trigger was in the processing of expanding the data base by creating new volumes. In doing so, copy volumes are created for mirroring, and existing volumes are examined for mirroring. One or more data base volumes was found to have a different number of copy volumes than other volumes of the same type. It is recommended that the same number of copy volumes be created for each volume of the same type (database or log).

**System action:** Server operation continues.

**User response:** Use the Query DBVOL command to determine if your volume configuration is satisfactory. You may use the DEFINE DBCOPY command to define additional copy volumes, if necessary. You may use the DELETE DBCOPY command to delete unnecessary copy volumes.

**ANR4429W** Unable to Define Recovery Log Volume

**Explanation:** The Recovery Log Space Trigger was in the processing of expanding the recovery log by creating new recovery log volumes. The indicated recovery log volume was created, but could not be registered with the server.

**System action:** Server operation continues. A recovery log volume is not registered with the server. The recovery log copy volume still exists on the system.

**User response:** Use the Query LOGVOL command to determine if your recovery log volume configuration is satisfactory. You may use the DEFINE LOGCOPY command to retry the definition of the recovery log volume copy, if necessary. There will be an additional message in the activity log prior to this message indicating the reason for the failure.

**ANR4430W** Unable to Define Data Base Volume

**Explanation:** The Data Base Space Trigger was in the processing of expanding the data base by creating new database volumes. The indicated database volume was created, but could not be registered with the server.

**System action:** Server operation continues. A database volume is not registered with the server. The database volume still exists on the system.

**User response:** Use the Query DBVOL command to determine if your database volume configuration is satisfactory. You may use the DEFINE DBVOLUME command for the database volume named, to retry the definition of the database volume copy, if necessary. There will be an additional message in the activity log prior to this message indicating the reason for the failure.

**ANR4431I** Recovery Log now Eligible for Expansion.

**Explanation:** The Recovery Log Space Trigger has previously hit a point where expanding the recovery log would have caused the recovery log's size to exceed 13GB, which is beyond the server maximum limit for the recovery log. This caused automatic recovery log expansion to be halted. The recovery log size has shrunk but once again needs expansion and is now eligible for expansion.

**System action:** Server operation continues, and the automatic recovery log expansion will proceed.

**User response:** None. None.

**ANR4432W** Data Base can no longer be Expanded by the Space Trigger.

**Explanation:** The Data Base Space Trigger was going to automatically expand the data base. Expanding the database would cause the size of the database to exceed 500GB, which is beyond the server maximum limit for the database.

**System action:** Server operation continues, but the database is not automatically expanded. No additional database expansion will occur as a result of the recovery log space trigger until the database size is less than the maximum size and the trigger attributes allow it to be expanded to a size less than the maximum.

**User response:** None. You may review the space trigger settings and use the UPDATE SPACETRIGGER DB command to adjust space trigger values. You may also reduce the database size, if possible.
ANR4433I  Data Base now Eligible for Expansion.

Explanation: The Data Base Space Trigger has previously hit a point where expanding the database would have caused the size of the database to exceed 500GB, which is beyond the server maximum limit for the database. This caused automatic database expansion to be halted. The database size has shrunk or the space trigger values have been adjusted to allow expansion.

System action: Server operation continues, and automatic database expansion may proceed.

User response: None.

ANR4434E  Audit command: Password expiration found for unknown client node node name.

Explanation: A database audit process finds a password expiration period for a client node, but the client node is not defined correctly in the server database.

System action: Audit processing continues.

User response: If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

ANR4435I  Audit command: Password expiration period deleted for unknown client node node name.

Explanation: A database audit process finds a password expiration period for a client node, but the client node is not defined correctly in the server database. Because FIX=YES has been specified for the audit command, the audit function deletes the password expiration period.

System action: Audit processing continues.

User response: None.

ANR4436E  Audit command: Invalid password expiration period for client node node name.

Explanation: A database audit process finds an invalid password expiration period for a client node.

System action: Audit processing continues.

User response: If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

ANR4437I  Audit command: Invalid password expiration period deleted for client node node name.

Explanation: A database audit process finds an invalid password expiration period for a client node. Because FIX=YES has been specified for the audit command, the audit function deletes the password expiration period, causing the default, global password expiration period to take effect for the client node.

System action: Audit processing continues.

User response: None.

ANR4438E  Audit command: Password expiration found for unknown administrator administrator name.

Explanation: A database audit process finds a password expiration period for an administrator, but the administrator is not defined correctly in the server database.

System action: Audit processing continues.

User response: If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

ANR4439I  Audit command: Password expiration period deleted for unknown administrator administrator name.

Explanation: A database audit process finds a password expiration period for an administrator, but the administrator is not defined correctly in the server database. Because FIX=YES has been specified for the audit command, the audit function deletes the password expiration period.

System action: Audit processing continues.

User response: None.

ANR4440E  Audit command: Invalid password expiration period for administrator administrator name.

Explanation: A database audit process finds an invalid password expiration period for an administrator.

System action: Audit processing continues.

User response: If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.
**ANR4441I** Audit command: Invalid password expiration period deleted for administrator administrator name.

**Explanation:** A database audit process finds an invalid password expiration period for an administrator. Because FIX=YES has been specified for the audit command, the audit function deletes the password expiration period, causing the default, global password expiration period to take effect for the administrator.

**System action:** Audit processing continues.

**User response:** After the AUDIT command completes, use the QUERY ADMIN command to examine the administrator that was updated. Use the UPDATE ADMIN command to set the correct password expiration period for the administrator.

---

**ANR4442E** Audit command: Extended attribute extended attribute type is not a valid attribute type.

**Explanation:** A database audit process finds an extended attribute type that is not supported.

**System action:** Audit processing continues.

**User response:** If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

---

**ANR4443I** Audit command: Invalid extended attribute extended attribute type has been deleted.

**Explanation:** A database audit process finds an extended attribute type that is not supported. Because FIX=YES has been specified for the audit command, the audit function deletes extended attribute.

**System action:** Audit processing continues.

**User response:** None.

---

**ANR4444I** Command: Input volume volume name cannot be processed.

**Explanation:** During a DMSERV DISPLAY DDBACKUPVOLUME command, the server cannot display the necessary information about the specified backup volume.

**System action:** The volume is not processed. Processing continues for all the volumes in the given volume list.

**User response:** Examine previous error messages for the cause of failure.

---

**ANR4445I** Context parameter set to value.

**Explanation:** Determines if context reporting will be generated when an ANR9999D error occurs. This is turned on or off with the SET CONTEXT messaging command.

**System action:** None.

**User response:** None.

---

**ANR4446I** Audit command: Auditing address definitions.

**Explanation:** This message is displayed during a database audit and indicates that the name address definitions are being examined by the database audit process.

**System action:** Audit processing continues.

**User response:** None.

---

**ANR4447E** Audit command: An invalid data mover type was encountered for data mover name.

**Explanation:** A database audit process encounters an invalid data mover type for the specified data mover.

**System action:** Audit processing continues.

**User response:** Reissue the audit command with FIX=YES so that the attribute can be corrected.

---

**ANR4448E** Audit command: An invalid data mover type was encountered for data mover datamover name - the data mover entry will be removed.

**Explanation:** A database audit process encounters an invalid data mover type for the specified data mover.

**System action:** Because FIX=YES has been specified for the command, the data mover entry will be removed. Audit processing continues.

**User response:** If you want the data mover entry to be defined you must redefine this data mover after the audit command has completed.

---

**ANR4449E** Audit command: An invalid data mover attribute was encountered for data mover name.

**Explanation:** A database audit process encountered an invalid data mover attribute for the specified data mover.

**System action:** Audit processing continues.

**User response:** Reissue the audit command with FIX=YES so that the attribute can be corrected.
ANR4450E  Audit command: An invalid data mover attribute was encountered for data mover data mover name - the data mover entry will be removed.

Explanation: A database audit process encounters an invalid data mover attribute for the specified data mover.

System action: Because FIX=YES has been specified for the command, the data mover entry will be removed. Audit processing continues.

User response: If you want the data mover entry to be defined you must redefine this data mover after the audit command has completed.

ANR4451E  Audit command: An invalid disk attribute was encountered for disk name.

Explanation: A database audit process encountered an invalid disk attribute for the specified disk.

System action: Audit processing continues.

User response: Reissue the audit command with FIX=YES so that the attribute can be corrected.

ANR4452E  Audit command: An invalid disk attribute was encountered for disk name - the disk entry will be removed.

Explanation: A database audit process encounters an invalid disk attribute for the specified disk. Because FIX=YES has been specified for the command, the disk entry will be removed.

System action: Audit processing continues.

User response: If you want the disk entry to be defined you must redefine this disk after the audit command has completed.

ANR4453E  Audit command: An invalid source attribute was encountered for source name and destination destination name

Explanation: A database audit process encountered an invalid source attribute in a path definition with the specified source name and destination name.

System action: Audit processing continues.

User response: Reissue the audit command with FIX=YES so that the attribute can be corrected.

ANR4454E  Audit command: An invalid source attribute was encountered for source name and destination destination name - the path entry will be removed.

Explanation: A database audit process encounters an invalid source attribute in a path definition with the specified source name and destination name. Because FIX=YES has been specified for the command, the path entry will be removed.

System action: Audit processing continues.

User response: If you want the TSM server to use this path you must redefine the source name, verify the destination name exists, and then redefine the path after the audit command has completed.

ANR4455E  Audit command: An invalid destination attribute was encountered for source name and destination destination name

Explanation: A database audit process encountered an invalid destination attribute in a path definition with the specified source name and destination name.

System action: Audit processing continues.

User response: Reissue the audit command with FIX=YES so that the attribute can be corrected.

ANR4456E  Audit command: An invalid destination attribute was encountered for source name and destination destination name - the path entry will be removed.

Explanation: A database audit process encounters an invalid destination attribute in a path definition with the specified source name and destination name. Because FIX=YES has been specified for the command, the path entry will be removed.

System action: Audit processing continues.

User response: If you want the TSM server to use this path you must redefine the source name, verify the destination name exists, and then redefine the path after the audit command has completed.

ANR4457E  Audit command: KEEPMP found for unknown client node node name.

Explanation: A database audit process found a KEEPMP setting for a client node, but the client node is not defined correctly in the server database.

System action: Audit processing continues.

User response: If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

ANR4458E  Audit command: KEEPMP setting deleted for unknown client node node name.

Explanation: A database audit process found a KEEPMP setting for a client node, but the client node is not defined correctly in the server database. Because FIX=YES has been specified for the audit command, the audit function has deleted the KEEPMP setting.

System action: Audit processing continues.
ANR4459E  Audit command: Invalid KEEPMP setting
KEEPMP setting for client node node name.

Explanation: A database audit process found an invalid KEEPMP setting for a client node.

System action: Audit processing continues.

User response: If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

ANR4460I  Audit command: Invalid KEEPMP setting
KEEPMP setting deleted for client node node name.

Explanation: A database audit process found an invalid KEEPMP setting for a client node. Because FIX=YES has been specified for the audit command, the audit function has deleted the KEEPMP setting, causing the default, KEEPMP setting to take effect for the client node.

System action: Audit processing continues.

User response: After the AUDIT command completes, use the QUERY NODE command to examine the node that was updated. Use the UPDATE NODE command to set the correct KEEPMP setting for the node.

ANR4463E  Audit command: Invalid TCP name, address or GUID length invalid length for client node node name.

Explanation: A database audit process found an invalid TCP name, address or globally unique identifier length for a client node.

System action: Audit processing continues.

User response: If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

ANR4464I  Audit command: Invalid TCP name, address or GUID length invalid length deleted for client node node name.

Explanation: A database audit process found an invalid TCP name, address or globally unique identifier length for a client node. Because FIX=YES has been specified for the audit command, the audit function sets the TCP name, address and GUID to blank. The values will be reset when the client signs on to the server.

System action: Audit processing continues.

User response: After the AUDIT command completes, use the QUERY NODE command to examine the node that was updated. The values should be blank.

ANR4465I  Audit command: An incorrect transaction group size was found for node node name.

Explanation: A database audit process encounters invalid information used for controlling the transaction group size for the node indicated.

System action: Audit processing continues.

User response: If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

ANR4466I  Audit command: An incorrect transaction group was found for node node name.

This information will be corrected.

Explanation: A database audit process encounters invalid information used for controlling the transaction group size for the node specified. Because FIX=YES has been specified, the audit function corrects the information.

System action: Audit processing continues.

User response: None.
**ANR4467E**  *Audit command: Data Path Type Path was found for unknown client node node name.*

**Explanation:** A database audit process found a Data Path setting for a client node, but the client node is not defined correctly in the server database.

**System action:** Audit processing continues.

**User response:** If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

**ANR4468I**  *Audit command: The Data Path Type Path setting was deleted for unknown client node node name.*

**Explanation:** A database audit process found a Data Path setting for a client node, but the client node is not defined correctly in the server database. Because FIX=YES has been specified for the audit command, the audit function has deleted the KEEPMP setting.

**System action:** Audit processing continues.

**User response:** None.

**ANR4471E**  *Audit command: Invalid TCP address (server-prompted scheduling) or length invalid length for client node node name.*

**Explanation:** A database audit process found an invalid TCP address or length for a client node's server-prompted scheduling.

**System action:** Audit processing continues.

**User response:** If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

**ANR4472I**  *Audit command: Invalid TCP name or length for server-prompted scheduling. invalid length deleted for client node node name.*

**Explanation:** A database audit process found an invalid TCP name or length for a client node's server-prompted scheduling attributes. Because FIX=YES has been specified for the audit command, the audit function sets the TCP information to blank. The values must be reset with the UPDATE NODE command.

**System action:** Audit processing continues.

**User response:** After the AUDIT command completes, use the QUERY NODE command to examine the node that was updated.

**ANR4473E**  *Audit command: Node missing from session initiation attribute for client node node name.*

**Explanation:** A database audit process found a session initiation value for a client node's server-prompted scheduling but the node definition was missing.

**System action:** Audit processing continues.

**User response:** If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

**ANR4474I**  *Audit command: Node missing from session initiation value for server-prompted scheduling. Attribute deleted for client node node name.*

**Explanation:** A database audit process found a value for a client node's server-prompted session initiating attributes, but the node definition was missing. Because FIX=YES has been specified for the audit command, the audit function sets the value to the default. The attribute must be redefined with the REGISTER or UPDATE NODE commands.

**System action:** Audit processing continues.

**User response:** After the AUDIT command completes, use the QUERY NODE command to examine the node that was updated.

**ANR4475E**  *Audit command: Node missing from client address attribute for client node node name.*

**Explanation:** A database audit process found client node addressing information for a client node's server-prompted scheduling but the node definition was missing.

**System action:** Audit processing continues.

**User response:** If the audit command has not been issued with FIX=YES specified, reissue the audit function specifying FIX=YES so that the error can be corrected.

**ANR4476I**  *Audit command: Node missing from session initiation value for server-prompted scheduling. Attribute deleted for client node node name.*

**Explanation:** A database audit process found client node addressing information for a client node's server-prompted scheduling but the node definition was missing.

**System action:** Audit processing continues.

**User response:** After the AUDIT command completes, use the QUERY NODE command to examine the node that was updated.

Because FIX=YES has been specified for the audit command, the audit function deletes the value. The information must be redefined with the REGISTER or UPDATE NODE commands.
System action: Audit processing continues.

User response: After the AUDIT command completes, use the QUERY NODE command to examine the node that was updated.

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ANR4477E  Audit command: An invalid data path type path setting was found for client node node name.

Explanation: A database audit process found an incorrect data path setting for a client node.

System action: Audit processing continues.

User response: If the audit command has not been issued with FIX=YES specified, reissue the audit function, specifying FIX=YES so that the error can be corrected.

---

ANR4478I  Audit command: An incorrect data path type path setting was deleted for client node node name.

Explanation: A database audit process found an invalid data path setting for a client node. Because FIX=YES has been specified for the audit command, the audit function has deleted the Data Path setting, causing the default Data Path setting to take effect for the client node.

System action: Audit processing continues.

User response: After the AUDIT command completes, use the QUERY NODE command to examine the node that was updated. Use the UPDATE NODE command to set the correct data path setting for the node.

---

ANR4479I  Extraneous or incorrect entry found for a backup group member.

Explanation: An extraneous or incorrect entry was found for a member of a backup group.

System action: Audit processing continues.

User response: Issue the AUDITDB command again, using the FIX=YES parameter.

---

ANR4480I  Extraneous or incorrect entry fixed for a backup group member.

Explanation: An extraneous or incorrect entry was found for a member of a backup group. If this was an incorrect entry, it was fixed. If this was an extraneous entry, it was deleted.

System action: Audit processing continues.

User response: None, because the AUDITDB processing performed the necessary corrective action.

---

ANR4481I  Command: Extraneous or incorrect entry found for a proxy association. Target: node_id_1  Agent: node_id_2

Explanation: An extraneous or incorrect entry was found for a proxy association.

System action: Audit processing continues.

User response: Issue the AUDITDB command again, using the FIX=YES parameter.

---

ANR4482I  Command: Extraneous or incorrect entry found for a proxy association. Target: node_id_1  Agent: node_id_2

Explanation: An extraneous or incorrect entry was found for a proxy association. The entry will be removed.

System action: Audit processing continues.

User response: None, because the AUDITDB processing performed the necessary corrective action.

---

ANR4483I  Node node name issued command: Set Access copy type file space name high-level address low-level address authorized node name ,authorized owner name.

Explanation: The SET ACCESS command completed.

System action: Processing continues.

User response: None.

---

ANR4484I  Node node name issued command: Delete Access copy type file space name high-level address low-level address authorized node name ,authorized owner name.

Explanation: The DELETE ACCESS command completed.

System action: Processing continues.

User response: None.

---

ANR4485I  A storage pool space trigger has been defined and enabled for storage pool storage pool name.

Explanation: A storage pool space trigger has been defined with a DEFINE SPACETRIGGER command for the specified storage pool.

System action: None.

User response: None.
ANR4486I A default storage pool space trigger has been defined and enabled.

Explanation: A default storage pool space trigger has been defined and enabled. It will be effective for any storage pools associated with a devtype=DISK device class or a devtype=FILE device class.

System action: None.
User response: None.

ANR4487I The storage pool space trigger is defined for storage pool storage pool name, but is disabled.

Explanation: A storage pool space trigger has been defined for the indicated storage pool, but because the space expansion percentage is currently set to 0, the space trigger is disabled.

System action: None.
User response: To activate the space trigger, use the UPDATE SPACETRIGGER command to set the space expansion percentage to a value greater than 0.

ANR4488I The default storage pool space trigger is defined, but it is disabled.

Explanation: A default storage pool space trigger has been defined for storage pools associated with a devtype=DISK or devtype=FILE device class. But it has been defined without a space trigger; because the space expansion percentage is currently set to 0, the space trigger is disabled.

System action: None.
User response: To activate the space trigger, use the UPDATE SPACETRIGGER command to set the space expansion percentage to a value greater than 0.

ANR4489I The storage pool space trigger has been deleted for storage pool storage pool name.

Explanation: A DELETE SPACETRIGGER command has successfully completed for the indicated storage pool space trigger. Space expansions are no longer triggered automatically for the specified storage pool. If a default storage pool space trigger exists, it will apply to the specified storage pool.

System action: None.
User response: None.

ANR4490I The default storage pool space trigger has been deleted.

Explanation: A DELETE SPACETRIGGER command has successfully completed for the default storage pool space trigger. Space expansions are no longer triggered automatically for storage pool without a specific space trigger.

System action: None.
User response: None.

ANR4491I The storage pool space trigger is updated and enabled for storage pool storage pool name.

Explanation: An UPDATE SPACETRIGGER command has successfully completed for the specified storage pool space trigger. The updated parameters specified on the command are used to automatically trigger space expansion for the storage pool.

System action: None.
User response: None.

ANR4492I The default storage pool space trigger is updated and enabled.

Explanation: An UPDATE SPACETRIGGER command has successfully completed for the default storage pool space trigger. The updated parameters specified on the command are used to automatically trigger space expansion for storage pools without a specific storage pool space trigger and which are associated with a devtype=FILE or devtype=DISK device class.

System action: None.
User response: None.

ANR4493I The storage pool space trigger is updated, but disabled for storage pool storage pool name.

Explanation: An UPDATE SPACETRIGGER command has successfully completed for the specified storage pool space trigger. However, the space expansion percentage is currently set to 0, which disables the space trigger.

System action: None.
User response: To activate the space trigger, use the UPDATE SPACETRIGGER command with the SPACEexpansion parameter to set a value greater than zero.

ANR4494I The default storage pool space trigger is updated, but disabled.

Explanation: An UPDATE SPACETRIGGER command has successfully completed for the default storage pool space trigger. However, the space expansion percentage is currently set to 0, which disables the space trigger.

System action: None.
User response: To activate the space trigger, use the UPDATE SPACETRIGGER command with the
SPACEexpansion parameter to set a value greater than zero.

ANR4495E Command: Storage pool space trigger is not defined.

Explanation: The storage pool space trigger cannot be updated or deleted because it is not currently defined. If a storage pool was not specified, an attempt was made to delete the default storage pool space trigger, but no default storage pool space trigger is defined.

System action: The server does not process the command.

User response: None.

ANR4496E Command: Storage pool space trigger is already defined.

Explanation: The storage pool space trigger cannot be defined because it is already defined for the storage pool. If a default storage pool trigger is being defined, a default storage pool trigger already exists.

System action: The server does not process the command.

User response: Use the UPDATE SPACETRIGGER command to modify the indicated space trigger parameters.

ANR4497E Command: EXPansionprefix not valid for storage pool space trigger with storage pool Storage Pool.

Explanation: The storage pool space trigger cannot be defined with an EXPansionprefix parameter because the specified storage pool is not associated with a DISK-type device class. Sequential access storage pools use their associated directories for creating space when a space trigger is activated.

System action: The server does not process the command.

User response: Use the UPDATE SPACETRIGGER command to create a space trigger without using the EXPansionprefix parameter.

ANR4498E Command: STGPOOL Storage Pool is not eligible for a storage pool space trigger.

Explanation: The indicated storage pool cannot have a space trigger defined, because it is not associated with a DISK-type or a FILE-type device class, or it is a RECLAMATIONTYPE=SNAPLOCK storage pool.

System action: The server does not process the command.

User response: Use the DEFINE SPACETRIGGER command to create a space trigger with a storage pool whose device class is of type DISK or FILE, or is not a

RECLAMATIONTYPE=SNAPLOCK storage pool.

ANR4499E Command: Base backup set name Backup Set Name could not be found.

Explanation: No full backup sets whose name begins with the specified backup set name prefix could be found.

System action: The server does not process the command.

User response: Use the QUERY BACKUPSET command to list available full backup sets and reissue the command with the backup set name prefix of an existing full backup set. If no full backup set exists, then do not specify the BASE parameter until after a full backup set has been generated.

ANR4500I Writing sequential volume history information to defined files.

Explanation: The server is updating all sequential volume history files defined in the server options file with information on sequential volume usage information. The files updated are those specified with the VOLUMEHISTORY option in the server options file.

System action: Server operation continues.

User response: None.

ANR4501I Sequential volume history information successfully written to file name.

Explanation: The server is updating all sequential volume history files defined in the server options file with information on sequential volume usage information. Volume history information was successfully written to the file specified.

System action: Server operation continues.

User response: None.

ANR4502W No files have been defined for automatically storing sequential volume history information.

Explanation: The server is attempting to update all sequential volume history files defined in the server options file with information on sequential volume usage information. Because no files were configured for receiving this information, the automatic operation fails.

System action: Server operation continues.

User response: To have the server automatically record sequential volume history information to assist in server recovery, use the VOLUMEHISTORY option in the server options file to specify where history information should be written. If you update the
ANR4503W  The server current date current date is earlier than the date in a server record server date.

Explanation: The server has detected that the current system date is an earlier date than the date in a server record that is being processed. Possible causes for this problem are the current system date is invalid, the server was previously run with a future date, or there is an error in the server record. If the server was run with a future date, this message will continue to appear until that date has passed, or all records with the future date have been deleted from the server.

System action: Processing continues. The processing for the current object may not occur as expected.

User response: On the machine on which the server is running, verify that the system date is correct.

ANR4504E  Command: The specified point in time is earlier than the point in time of the base backup set.

Explanation: The point in time specified for the differential backup set is earlier than the point in time of its base backup set.

System action: The server does not process the command.

User response: Reissue the command, specifying a later point in time.

ANR4505E  Required table of contents could not be created for backup set for node name as set name (data type data type).

Explanation: A table of contents could not be created for the named object set, but a table of contents was required (TOC=YES was specified or implied).

System action: The backup set is deleted.

User response: Correct the problem that prevented the table of contents from being created and generate the backup set again.

ANR4506W  Backup set for node name as set name (data type data type) requires a table of contents.

Explanation: The specified backup set requires a table of contents, but TOC=YES was not specified.

System action: The server will attempt to create a table of contents for the backup set. If the table of contents creation fails, the backup set will be deleted.

User response: None.

ANR4510E  The server could not write sequential volume history information to volume history file name. To restore the database, access to this file is required.

Explanation: While attempting to write sequential volume history information to defined history files, the server could not write to the specified file. The database cannot be restored until this file can be accessed.

System action: The server does not write volume history information to the file specified.

User response: Examine any error messages that may have been displayed prior to this message and correct any problems. Ensure that the server has permission to write to the file indicated and that there is sufficient space in the file system for the file. On MVS, ensure that the data set has been allocated and that the server has permission to write to the data set. After correcting the problem, use the BACKUP VOLHISTORY command to write sequential volume history information to the file.

ANR4511E  Volume history file volume history file name could not be opened. To restore the database, access to this file is required.

Explanation: While attempting to read or write sequential volume history information from defined history files, the server was unable to open the specified file name. The database cannot be restored until this file can be accessed.

System action: The server does not read or write volume history information from the specified file.

User response: Examine any error messages that may have been displayed prior to this message and correct any problems. Ensure that the server has permission to write to the file indicated and that there is sufficient space in the file system for the file. On MVS, ensure that the data set has been allocated and that the server has permission to write to the data set.

ANR4512E  A database transaction failure was encountered in processing sequential volume history information.

Explanation: While attempting to process sequential volume history information, the server encountered a database transaction error.

System action: The operation fails. Usage for a sequential volume was not properly recorded for later reference.

User response: Examine error messages that may have been displayed prior to this message and correct any problems, if possible. If this does not resolve the problem, contact your support representative.
ANR4513E  A database lock conflict was encountered in processing sequential volume history information.

Explanation: While attempting to process sequential volume history information, the server encountered a database locking conflict.

System action: The operation fails. This usually means that usage for a sequential volume was not properly recorded for later reference

User response: Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Make sure that the server has proper authority to read from the defined volume history files. If you are doing a database restore, issue RESTORE DB DEVCLASS=VOL.

ANR4514E  Sufficient database space is not available for the server while processing sequential volume history information.

Explanation: While attempting to process sequential volume history information, the server found that sufficient database space was not available for updates.

System action: The operation fails. Usage for a sequential volume was not properly recorded for later reference.

User response: To increase the amount of database space available to the server, an authorized administrator can add database volumes by using the DEFINE DBVOLUME command, and extend the size of the database by using the EXTEND DB command.

ANR4515E  Sufficient recovery log space is not available for the server while processing sequential volume history information.

Explanation: While attempting to process sequential volume history information, the server finds that sufficient recovery log space is not available for updates.

System action: The operation fails. Usage for a sequential volume was not properly recorded for later reference.

User response: To increase the amount of database space available to the server, an authorized administrator can add database volumes by using the DEFINE LOGVOLUME command, and extend the size of the database by using the EXTEND LOG command.

ANR4516E  Server could not read sequential volume history information from any defined files.

Explanation: While attempting to read sequential volume history information from defined history files, the server finds that it cannot open any of the files defined in the server options file.

System action: The server does not read volume history information. If the current server task requires this information, the task ends.

User response: Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Make sure that the server has proper authority to read from the defined volume history files. If you are doing a database restore, issue RESTORE DB DEVCLASS=VOL.

ANR4517E  No files have been defined for storing sequential volume history information - information cannot be read.

Explanation: The server is attempting to read from at least one of the volume history files defined in the server options file. Since no files were defined for this information the read operation fails.

System action: Server operation ends.

User response: You can restore the database specifying the volume names for each restore operation (in order) up to the desired point-in-time. If a volume history file is available, specify its name in the server options file and retry the operation.

ANR4518E  Volume history file file name line number does not have the proper format - read operation fails.

Explanation: The server is attempting to read from a volume history file and encounters a record that does not have the proper format.

System action: Server operation terminates.

User response: Examine the file specified to determine if the invalid record can be located and corrected. If the file is corrupted or does not contain valid volume history entries, it cannot be used for the desired operation.

ANR4519W  Volume History File does not reflect latest Storage Agent Updates

Explanation: The storage agent failed to have the volume history file on the server updated with the latest changes from the storage agent.

System action: The storage agent continues processing.

User response: To bypass the problem, a BACKUP VOLHIST command can be issued from an admin client connected to the server. The problem may be due to a temporary loss of communication with the server.

ANR4520I  Storage Pool storage pool name is being skipped during a space allocation. A request for request amount megabytes was made but only available amount megabytes were available.
ANR4521E • ANR4527W

Explanation: A request for storage was made in the indicated storage pool. The storage pool has a capacity of the number of megabytes shown. The requested amount cannot be satisfied in the storage pool being skipped. The next storage pool, if any, will be tried in an attempt to satisfy the request.

System action: The storage server skips the indicated storage pool and tries to allocate storage in a "next" pool.

User response: More space can be created in the storage pool by increasing the number of scratch volumes allowed (use the UPDATE STGPOOL poolname MAXSCRATCH=xx command), by creating private volumes in the storage pool (use the DEFINE VOLUME poolname volname command), or by creating a storage pool space trigger to monitor storage in the storage pool. The storage pool space trigger can also automatically create new FILE volumes when space triggers are exceeded (use the DEFINE SPACETRIGGER STG STGPOOL=poolname command).

ANR4521E The number of volumes specified in the BACKUP DB command is not sufficient. The backup failed.

Explanation: The backup volume provided in the input parameter for BACKUP DB command is not sufficient.

System action: BACKUP DB terminates.

User response: Provide more input volumes.

ANR4522E RESTORE DB failed with LOG file error.

Explanation: The LOG file is not associated with the current log sequence.

System action: RESTORE DB terminates.

User response: Issue REMOVE DB first and retry the RESTORE DB.

ANR4523I Storage Pool Space expansion triggered. Storage Pool storage pool name with capacity of capacity megabytes requires percentage percent expansion for expansion amount bytes of additional space.

Explanation: A triggered space expansion has started for the indicated storage pool. The storage pool has a capacity of the number of megabytes shown. It is being expanded by the indicated percentage as directed by the storage pool space trigger for this storage pool, or by the default storage space trigger if this storage pool has no dedicated trigger of its own. The percentage is represented by the additional amount of space indicated.

System action: Space expansion begins.

User response: None.

ANR4524I Volume volume name defined in Storage Pool storage pool name as a result of storage pool triggered space expansion.

Explanation: A triggered space expansion has caused the indicated volume to be created in the storage shown in the message. The volume definition is the result of a storage pool space trigger definition which allocates new space when the space trigger space threshold is met.

System action: Processing continues.

User response: None.

ANR4525E Failure to define volume volume name in Storage Pool storage pool name. Return code return code.

Explanation: A triggered space expansion has caused an attempt to create the indicated in the storage pool shown in the message. The volume creation failed with the indicated return code. The volume was not added to the storage pool. Additional messages with specific information on the failure are displayed from the volume creation process.

System action: Processing continues.

User response: It might be necessary to take action based on the failure message from the volume creation process. Such actions might include changing the storage space trigger definition, ensuring that hardware is functioning properly, or ensuring that the server is set up with sufficient permissions to access and create files on the file system to which Tivoli Storage Manager is writing.

ANR4526E Storage Pool Space trigger for storage pool name is ended; the thread resource not available.

Explanation: The server cannot start a thread to handle storage pool expansion for the indicated storage pool.

System action: Server processing continues but the storage pool is not expanded.

User response: See the documentation for the operating system about how to increase memory for an application.

ANR4527W Storage Pool Space trigger for storage pool name is disabled after volume definition failures expansion failures. Insufficient space for pool expansion.

Explanation: The server failed to complete a storage pool expansion for the indicated storage pool. The number of failures in pool expansion is also displayed.
**System action:** Server processing continues but the storage pool is not expanded. The storage pool space trigger for the indicated storage pool is disabled.

**User response:** Allocate additional storage space to the server. For storage pools of device type FILE, additional directories may be added to the list of directories that the associated device class uses for storage. If this action is taken, the corresponding storage agent directories should be added via the UPDATE PATH command. The storage pool space trigger may be re-enabled with the UPDATE SPACETRIGGER STG STPOOL=xx command, where xx is the storage pool for which expansion has failed (no space trigger parameters need be updated).

**ANR4528W** Storage Pool Space Expansion for storage pool name is disabled due to previous expansion failures. After addressing space requirements, an UPDATE SPACETRIGGER STG command must be issued to allow automatic stgpoo expansion.

**Explanation:** The server failed to complete a storage pool expansion for the indicated storage pool. The storage pool space trigger is disabled due to previous expansion failures. The storage pool space trigger may be re-enabled with the UPDATE SPACETRIGGER STG STPOOL=xx command, where xx is the storage pool for which expansion has failed (no space trigger parameters need be updated).

**System action:** Server processing continues but the storage pool is not expanded. The storage pool space trigger for the indicated storage pool remains disabled. This message is re-issued periodically when expansion is required but the storage pool space trigger remains disabled.

**User response:** Allocate additional storage space to the server. For storage pools of device type FILE, additional directories may be added to the list of directories that the associated device class uses for storage. If this action is taken, the corresponding storage agent directories should be added via the UPDATE PATH command. The storage pool space trigger may be re-enabled with the UPDATE SPACETRIGGER STG STPOOL=xx command, where xx is the storage pool for which expansion has failed (no space trigger parameters need be updated).

**ANR4529I** An automatic full or incremental database backup will be started. The active log space used is log space used megabytes, and the active log space available is log space available megabytes. The ratio is active log used ratio and is greater than the threshold log file system utilization threshold.

**Explanation:** When the active log space used exceeds the log file system utilization threshold, a full database backup is started.

**System action:**

**User response:**

**ANR4530I** An automatic full database backup will be started. The total space used in log file system is log space used megabytes, and the total space available in the log file system is log space available megabytes. The ratio is log file system used ratio and is greater than the threshold log file system utilization threshold.

**Explanation:** When the space used in the log file system exceeds the threshold for log file system utilization, a full database backup is started.

**System action:**

**User response:**

**ANR4531I** An automatic full database backup will be started. The last log number used is last log used and the first log number used is first log used. The log file size is log file size megabytes. The maximum log file size is maximum log file size megabytes.

**Explanation:** When the log space used since the last database backup exceeds the maximum log file size, a full database backup is started.

**System action:**

**User response:**

**ANR4532W** The total DB used in DB space is log space used megabytes, and the total space available in the DB space is log space available megabytes. The ratio is log file system used ratio.

**Explanation:** When the DB space used since the last database backup exceeds the threshold for DB space utilization, please define more DB space using EXTend DBSpace command.

**System action:**

**User response:**

**ANR4533E** Database database name is invalid and cannot be created.

**Explanation:** Follow all of these rules when choosing a database name or alias:

- Character strings that represent names of a database can contain any of the following characters: a-z, A-Z, 0-9, @, #, and $.
A database name or alias must be unique in the database instance.

A database name or alias is one to eight characters in length.

The first character of the name must be an alphabetic character, or a @, a #, or a $ character.

The first three characters of the name cannot be any of the following strings: SYS, DBM, or IBM.

**System action**: DSMSERV FORMAT processing stops.

**User response**: Choose a different database name which meets the criteria indicated above and issue the DSMSERV FORMAT command again.

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**ANR4534E** The active log size of active log size MB exceeds the available space active log space MB.

**Explanation**: There is not enough space for the active log size specified in the DSMSERV FORMAT command.

**System action**: None.

**User response**: Ensure that the file systems you are using for database and recovery log activities have enough space. Reissue the DSMSERV FORMAT command and specify a smaller value for the active log size. For more information, see the DSMSERV FORMAT command in the Administrator’s Reference.

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**ANR4535E** The active log directory active log directory is not valid.

**Explanation**: The active log directory that is specified in the DSMSERV FORMAT command does not exist.

**System action**: The database format operation failed.

**User response**: Verify that the file systems you have specified for formatting the server database and recovery log are valid. Reissue the DSMSERV FORMAT command with a valid active log directory. For more information, see the DSMSERV FORMAT command in the Administrator’s Reference.

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**ANR4536E** File Processor Value Unit table xml file could not be found or opened for read access.

**Explanation**: The file could not be found or opened.

**System action**: Contents of the file are not parsed and loaded to the database.

**User response**: Verify that the file exists in either the server instance directory or the server installation directory. If the file does not exist verify permissions for read access. If the file does not exist obtain a copy from the IBM Processor Value Unit website.

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**ANR4537I** The active log space used is log space used is megabytes, and the active log space available is log space available megabytes. The ratio, active log used ratio, exceeds the threshold log utilization threshold.

**Explanation**: When the active log space used exceeds the log utilization threshold, the active log space must be increased.

**System action**: None.

**User response**: Increase the size of the active log space. For more information, search the Tivoli Storage Manager Information Center on increasing the size of the active log.

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**ANR4538E** The server could not write sequential volume history information to the volume history file name temporary file.

**Explanation**: The server failed to write to the specified file. The volume history file cannot be updated until this temporary file can be accessed.

**System action**: No volume history information was written to the temporary file specified.

**User response**: Examine any error messages that might have been displayed prior to this message and correct any problems. Ensure that the server has permission to write to the specified file and that the file system has sufficient space for the file.

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**ANR4539E** There is a mismatch in directory count between Device Class device class name and Path Definition for Server server name. The device class has directory count directories while the path definition has directory count directories.

**Explanation**: The server was assigning a shared FILE library volume to a server or storage agent. Share FILE libraries require a matching number of directories in the PATH definition for the server or storage agent’s access to FILE drives and the server’s device class definition. For example, if the server has the following device class definition: DEFINE DEVCLASS SFILE DEVTYPE=FILE MOUNTL=10 SHARED=YES DIR=D:\DIR1,E:\DIR2,F:\DIR3 a FILE library name SFILE will be created along with 10 drives named SFILE1 to SFILE10 in shared library SFILE. Each of these drives might have scratch volumes created in directories D:\DIR1, E:\DIR2 or F:\DIR3. (For UNIX Platforms, substitute UNIX style names in the example).

For library clients and storage agents, the appropriate directory paths from those systems must be defined using the DEFINE PATH command. An example, in this case, might be DEFINE PATH STA1 SFILE1 SRCTYPE=SERVER DESTTYPE=DRIVE
User response: Use the QUERY DEVCLASS classname F=D and the QUERY PATH pathname F=D commands to compare the directory lists for the device class and the path and ensure that they are synchronized.

Audit command: Invalid device class device class id found in DevClass.Dirs table.

Explanation: A database audit process finds a non-existent device class or a device class with an invalid access strategy for a record in the Devclasses.Dirs table.

System action: Audit processing continues.

User response: If the FIX=YES parameter was specified, the data base record with the incorrect entry will be deleted. Otherwise, reissue the audit command with FIX=YES, so that the incorrect record can be deleted. After records with incorrect entries have been removed, review directories associated with device classes and paths with the following commands: QUERY DEVCLASS F=D QUERY PATH F=D

Audit command: Invalid directory for device class device class id in DevClass.Dirs table.

Explanation: A database audit process finds a directory entry whose length is longer than allowed for the indicated device class id in the DevClass.Dirs table, which relates directories to device classes and paths.

System action: Audit processing continues.

User response: If the FIX=YES parameter was specified, the data base record with the incorrect entry will be deleted. Otherwise, reissue the audit command with FIX=YES, so that the incorrect record can be deleted. After records with incorrect entries have been removed, review directories associated with device classes and paths with the following commands: QUERY DEVCLASS F=D QUERY PATH F=D

Audit command: Invalid library for device class device class id in DevClass.Dirs table.

Explanation: A database audit process finds a directory entry with a server which is either not defined or has an invalid length in the DevClass.Dirs table. This table relates directories to device classes and paths. The class ID of the table entry is shown, along with the server name. However, if the server name has an invalid length, only blanks are shown.

System action: Audit processing continues.

User response: If the FIX=YES parameter was specified, the data base record with the incorrect entry will be deleted. Otherwise, reissue the audit command with FIX=YES, so that the incorrect record can be deleted. After records with incorrect entries have been removed, review directories associated with device classes and paths with the following commands: QUERY DEVCLASS F=D QUERY PATH F=D

Audit command: Mismatched server for device class device class id in DevClass.Dirs table. Server ID in table is server id. Server ID in data base is found server id.

Explanation: A database audit process finds a directory entry with a server which does not match the path source name in the DevClass.Dirs table. This table relates directories to device classes and paths. The class ID of the table entry is shown, along with the server ID in the data base which found the server name.

System action: Audit processing continues.

User response: If the FIX=YES parameter was specified, the data base record with the incorrect entry will be deleted. Otherwise, reissue the audit command with FIX=YES, so that the incorrect record can be deleted. After records with incorrect entries have been removed, review directories associated with device classes and paths with the following commands: QUERY DEVCLASS F=D QUERY PATH F=D

Audit command: Invalid server for device class device class id in DevClass.Dirs table. The server name in the table is server name.

Explanation: A database audit process finds a directory entry with a server which is either not defined or has an invalid length in the DevClass.Dirs table. This table relates directories to device classes and paths. The class ID of the table entry is shown, along with the server name. However, if the server name has an invalid length, only blanks are shown.
ANR4545E  Audit command: Invalid drive for device class device class id in the DevClass.Dirs table.

Explanation: A database audit process finds a directory entry with a DEST name where the associated drive (DESTNAME ) can not be found. This record is in the DevClass.Dirs table. This table relates directories to device classes and paths. The class ID of the table entry is shown.

System action: Audit processing continues.

User response: If the FIX=YES parameter was specified, the database record with the incorrect entry will be deleted. Otherwise, reissue the audit command with FIX=YES, so that the incorrect record can be deleted. After records with incorrect entries have been removed, review directories associated with device classes and paths with the following commands: QUERY DEVCLASS F=D QUERY PATH F=D

ANR4547W  The clock on the remote server server_name differs from the clock on the local server by seconds seconds.

Explanation: The clocks on the local and remote servers are not consistent. This can cause various problems such as inconsistent status reporting.

System action: Server operation continues.

User response: Make sure that the clocks on all servers are set correctly. If possible, use an internet time service to automatically synchronize the clocks.

ANR4548W  command: The specified at-risk interval of interval hours exceeds the activity summary retention of retention days.

Explanation: The activity summary is used to determine if a client has been backed up within the at-risk interval. If the interval exceeds the activity summary retention, the server may not be able to find a qualifying backup and would consider the client to be unprotected.

System action: Processing continues.

User response: Either invoke the command again to reduce the interval or use the SET SUMMARYRETENTION command to increase the activity summary retention.

ANR4549I  Database dump command: A database dump is already in progress.

Explanation: This message is issued in response to a database dump command and indicates that a database dump cannot be started because a dump is already in progress.

System action: Server operation continues. The requested database dump is not started.

User response: Only one database dump can be started at one time. Use the QUERY PROCESS command to monitor the dump that is in progress. When completed, issue the database dump command to start another database dump if required.

ANR4550I  Full database backup (process process ID) completed. Total bytes backed up: total DB bytes.

Explanation: A full database backup process has completed. The output volumes used in this backup may be used during a database restore operation.

System action: None.

User response: None.

ANR4551I  Incremental database backup (process process ID) completed. Total bytes backed up: total DB bytes.

Explanation: An incremental database backup process has completed. The output volumes used in this backup may be used in conjunction with any preceding volumes in the backup series during a database restore operation.

System action: None.

User response: None.

ANR4552I  Full database backup triggered; started as process process ID.

Explanation: A background process, triggered by the LOGFULLPCT parameter on a DEFINE DBBACKUPTRIGGER command, was started to back up the full contents of the database. The full database backup process is assigned the process ID shown.

System action: The database backup process starts and server operation continues.

User response: The administrator may query the status of the database backup process by using the QUERY PROCESS command, or cancel the process by using the CANCEL PROCESS command.

ANR4553I  Incremental database backup triggered; started as process process ID.

Explanation: A background process, triggered by the LOGFULLPCT parameter on a DEFINE DBBACKUPTRIGGER command, was started to incrementally back up the contents of the database. The incremental database backup process was assigned the process ID shown.

System action: The database backup process starts and server operation continues.

User response: The administrator may query the status of the database backup process by using the
QUERY PROCESS command, or cancel the process by using the CANCEL PROCESS command.

ANR4554I Backed up number of pages backed up of number of pages to back up in current operation database pages.

Explanation: Periodically, during a database backup, the server displays the number of pages backed up.
System action: None.
User response: None.

ANR4555I Database backup process process ID canceled.

Explanation: The database backup process was canceled by an administrator with the CANCEL PROCESS command.
System action: The database backup process is ended.
User response: None.

ANR4556W Attention: the database backup operation did not free sufficient recovery log space to lower utilization below the database backup trigger. The recovery log size may need to be increased or the database backup trigger parameters may need to be adjusted.

Explanation: A database backup process has completed. The server is running in roll-forward mode and the recovery log utilization remains above that specified in the database backup trigger.
System action: A database backup operation will be triggered. Unless this situation is corrected, database backups will be triggered rapidly, one after the other.
User response: If a database backup operation does not free up enough recovery log space to reset utilization below the database backup trigger, the recovery log needs to be extended or the database backup trigger updated to a higher log full percentage or a higher log free percentage or a higher minimum interval.

ANR4557I Differential database backup (process process ID) completed.

Explanation: A snapshot database backup process has completed.
System action: None.
User response: None.

ANR4558I Snapshot database backup (process process ID) completed. Total bytes backed up: total DB bytes.

Explanation: A differential database backup process has completed. The output volumes used in this backup may be used in conjunction with preceding volumes in the full backup during a database restore operation.
System action: None.
User response: None.

ANR4559I Backup DB is in progress.

Explanation: The database backup in process.
System action: None.
User response: None.

ANR4560I Triggered database backup will be retried in number of seconds seconds.

Explanation: Because of a problem encountered during a triggered database backup, the current backup stops but will be retried after the time period shown.
System action: The system waits for the specified period and then retries a database backup.
User response: If possible, correct the condition that stopped the database backup. If the problem persists, contact your service representative.

ANR4561I Triggered database backup retry delay ended; checking database backup trigger criteria.

Explanation: Because a triggered database backup had been stopped due to a problem, the system waited before retrying. The retry wait period has ended, and the system can now retry the database backup.
System action: Database backup begins.
User response: None.

ANR4562I Database backup criteria is no longer met; triggered database backup canceled.

Explanation: Because a triggered database backup had been stopped due to a problem, the system waited before retrying. The retry wait period has ended, and the system determined that the criteria for triggering a database backup was no longer met.
System action: The system waits until the database backup trigger criteria is met before triggering another database backup.
User response: None.
ANR4563I  Unable to trigger database backup - a database define, delete, extend, reduce, or backup operation is already in progress.

Explanation: A database backup was triggered, but a command that is modifying or backing up the database is already active.

System action: The backup stops and the server waits for the retry period to expire and then tries the database backup again.

User response: None.

ANR4564I  Unable to trigger database backup - sufficient memory is not available.

Explanation: A database backup was triggered, but there is not enough server memory available.

System action: The backup stops and the server waits for the retry period to expire and then tries the database backup again.

User response: If necessary, make more memory available to the server.

ANR4565E  Unable to trigger database backup - thread resource not available.

Explanation: A database backup was triggered, but the server cannot start a thread for the backup process.

System action: The backup stops and the server waits for the retry period to expire and then tries the database backup again.

User response: If the error persists, it may indicate a shortage of server memory. Allocate additional server memory.

ANR4567E  Database backup/restore terminated - insufficient number of mount points available for removable media.

Explanation: During database backup or restore, the server cannot allocate sufficient mount points for the volumes required.

System action: If the database backup was started with the BACKUP DB command, the database backup is ended and server operation continues. If the database backup was triggered automatically, the backup stops and the server waits for the retry period to expire and then tries the database backup again. A database restore is ended.

User response: For database backup, make more mount points available if necessary. For database restore processing, make sure the device class has sufficient mount points defined in the device configuration information file that is pointed to in the server options file.

ANR4572E  Database restore terminated - excessive read errors encountered.

Explanation: During database restore, read errors occur that prevent the restore from continuing.

System action: Database restore processing stops.

User response: Use a different device for the restore operation. If the problem persists, contact your service representative.

ANR4573E  Database backup terminated - excessive write errors encountered.

Explanation: During database backup, write errors occur that prevent the backup from continuing.

System action: If the database backup was started with the BACKUP DB command, the database backup is ended and server operation continues. If the database backup was triggered automatically, the backup stops and the server waits for the retry period to expire and then tries the database backup again.

User response: If possible, determine and correct the cause of the write errors. If the problem cannot be corrected, contact your service representative.

ANR4574E  Database backup/restore terminated - data transfer interrupted.

Explanation: During a database backup or restore operation, a data transfer operation has been interrupted and cannot be continued.

System action: If the database backup was started with the BACKUP DB command, the database backup is ended and server operation continues. If the database backup was triggered automatically, the backup stops and the server waits for the retry period to expire and then tries the database backup again. A database restore is ended.

User response: For database backup, make sure the specified device class is defined. For database restore processing, make sure the device class has a definition in a device configuration file that is pointed to in the server options file.
then tries the database backup again. A database restore is ended.

User response: If possible, determine and correct the cause of the interruption. If the problem cannot be corrected, contact your service representative.

ANR4575E Database backup/restore terminated - sufficient recovery log space is not available.
Explanation: During a database backup or restore operation, the server runs out of recovery log space.
System action: If the database backup was started with the BACKUP DB command, the database backup is ended and server operation continues. If the database backup was triggered automatically, the backup stops and the server waits for the retry period to expire and then tries the database backup again. A database restore is terminated.
User response: For database backup, make more server recovery log space available, if necessary. For database restore, contact your service representative.

ANR4576E Database backup/restore terminated - sufficient database space is not available.
Explanation: During a database backup or restore operation, the server runs out of database space.
System action: If the database backup was started with the BACKUP DB command, the database backup is ended and server operation continues. If the database backup was triggered automatically, the backup stops and the server waits for the retry period to expire and then tries the database backup again. The database restore process attempts to set the database capacity to the required capacity to hold the database being restored. If this fails, the restore operation is ended.
User response: For database backup, make more server database space available, if necessary. For database restore, make sure that the size of the online database is at least the same capacity as the database being restored.

ANR4577E Database backup terminated - volume already in use.
Explanation: During a database backup operation, a volume cannot be used because it is already defined in a storage pool, or has been previously used by an export, a database dump, or a database backup operation (as recorded in the volume history) or is in use by another process.
System action: If the database backup was started with the BACKUP DB command, the database backup is ended and server operation continues. If the database backup was triggered automatically, the backup stops and the server waits for the retry period to expire and then tries the database backup again. A database restore is terminated.
User response: Retry the command or wait for the server to retry the backup. If the command must be repeated, issue the command again or wait for the server to retry the backup and make sure the necessary volumes are accessible. If you are restoring a database to a given date or doing a roll-forward restore, restart the entire restore operation. If you are restoring a single database backup with COMMIT=NO, reissue the restore command. If you are restoring a database backup with COMMIT=YES, restore the complete backup series from the beginning.

ANR4578E Database backup/restore terminated - required volume was not mounted.
Explanation: During a database backup or restore operation, a required volume cannot be mounted, because the mount request was canceled.
System action: If the database backup was started with the BACKUP DB command, the database backup is ended and server operation continues. If the database backup was triggered automatically, the backup stops and the server waits for the retry period to expire and then tries the database backup again. A database restore is terminated.
User response: Issue the command again or wait for the server to retry the backup and make sure the necessary volumes are accessible. If you are restoring a database to a given date or doing a roll-forward restore, restart the entire restore operation. If you are restoring a single database backup with COMMIT=NO, reissue the restore command. If you are restoring a database backup with COMMIT=YES, restore the complete backup series from the beginning.

ANR4579E Database backup/restore terminated - thread resource not available.
Explanation: During a database backup or restore operation, the server cannot start a thread for the backup process.
System action: If the database backup was started with the BACKUP DB command, the database backup is ended and server operation continues. If the database backup was triggered automatically, the backup stops and the server waits for the retry period to expire and then tries the database backup again. A database restore is terminated.
User response: Retry the command or wait for the server to retry the backup if it was started by the backup trigger. If the error persists, it may indicate a shortage of server memory.
ANR4580E  Database backup/restore terminated - insufficient memory available.

Explanation: During a database backup or restore operation, there was not enough server memory available.

System action: If the database backup was started with the BACKUP DB command, the database backup is ended and server operation continues. If the database backup was triggered automatically, the backup stops and the server waits for the retry period to expire and then tries the database backup again. A database restore is terminated.

User response: If necessary, make more memory available to the server.

ANR4581W  Database backup/restore terminated - internal server error detected.

Explanation: During a database backup or restore operation, the server encounters an internal error.

System action: If the database backup was started with the BACKUP DB command, the database backup is ended and server operation continues. If the database backup was triggered automatically, the backup stops and the server waits for the retry period to expire and then tries the database backup again. A database restore is terminated.

User response: Contact your service representative.

ANR4582E  Database restore terminated - volume cannot be used.

Explanation: During a database restore operation, a volume has been mounted but cannot be used.

System action: The restore operation is terminated.

User response: If a volume list was specified on the command, make sure the correct volume is being specified and mounted. If no volume list was specified, contact your service representative.

ANR4583E  Database backup terminated - output media full and scratch media could not be mounted.

Explanation: During a database backup operation, an out-of-space condition occurred writing to the sequential media, and a scratch volume cannot be mounted.

System action: The database backup is ended and server operation continues.

User response: Reissue the command and specify additional volume names on the command, or specify SCRATCH=YES.

ANR4584E  Database restore terminated - incomplete input volume list.

Explanation: The list of volumes needed for the restore operation was incomplete. At least one volume needed for the restore operation is missing from the end of the list.

System action: The database restore is terminated.

User response: If you are using a DSMSERV RESTORE DB command with the VOLUMENAMES parameter specified, verify that all the volumes within a database backup operation are included in the list. Ensure that all the volume names are specified in the correct sequential order. For a restore with COMMIT=NO, reissue the last restore command. For a restore with COMMIT=YES, restart the restore from the beginning of the full backup. If you are using a DSMSERV RESTORE DB command with the TODATE parameter specified, the server created a list of volumes needed for the restore operation. Examine the volume history files to try to determine the error or use a different volume history file if available. You can also restore the database by specifying the volume names for each restore operation up to the desired point in time.

ANR4585W  Volume History File does not exist - Backup/Restore DB operation requires volume history file.

Explanation: Volume history file is needed for the backup/restore DB operation.

User response: Please specify volume history file in the dsmserv.opt.

ANR4586E  Not able to get a DB2 connection. Backup DB operation will be terminated.

Explanation: DB2 connection is needed for the backup DB operation.

System action: Backup DB operation is terminated.

User response: Verify database manager resources. Submit command again.

ANR4587E  Database backup or restore configuration is incorrect; client node node name was attempted to be used for this operation.

Explanation: A server database backup or restore operation was attempted and failed. The indicated client node was used for the operation which is incorrect. The server database backup and restore operations are a restricted protocol and require the explicit use of client node name $$_TSMDBMGR$$.
System action: Database backup or restore operation failed and is terminated.

User response: Verify that the configuration of the dsm.sys file used by the Tivoli Storage Manager API for the system where the server is installed. The server stanza in the dsm.sys file for the database backup must be configured as follows:

- The NODENAME option must specify $$TSMDBMGR$$.
- If the server is configured for database backup and restore using TCP/IP, the server TCP/IP address must be loopback (127.0.0.1).
- The server is configured to listen on the appropriate TCP/IP port or SHMPORT.

For more information, review the information in the Installation Guide and the Upgrade Guide.

ANR4588E A database backup configuration might be incorrect.

Explanation: A server database backup operation failed. The server database backup and restore operations are a restricted protocol and require the explicit use of the client node name $$TSMDBMGR$$.

System action: The database backup operation fails and is ended.

User response: Verify that the configuration of the dsm.sys file used by the Tivoli Storage Manager API for the system where the server is installed. The server stanza in the dsm.sys file for the database backup must be configured as follows:

- The NODENAME option must specify $$TSMDBMGR$$.
- If the server is configured for database backup and restore using TCP/IP, the server TCP/IP address must be loopback (127.0.0.1).
- The server is configured to listen on the appropriate TCP/IP port or SHMPORT.

For more information, review the information in the Installation Guide and the Upgrade Guide.

ANR4589W The DB2 connection was lost following a database restore operation.

Explanation: The server database was restored, but the DB2 connection failed. For this reason, if the path to the DB2 log directory was changed as part of a DB restore operation, the database path to the log directory was not updated automatically.

System action: The server database is restored.

User response: If the path to the DB2 log directory did not change, no action is needed. If the path to the DB2 log directory changed, you must manually update the path when the server is started. To update the path, connect to the DB2 database and change the configuration, as described in the following example:

- Start DB2: db2start
- Connect to TSMDB1: db2 connect to TSMDB1
- Update the DB2 database configuration: db2 update db cfg using NEWLOGPATH (log path from server options, e.g. /ALOG/tsminst1)
- Terminate the connection to TSMDB1: db2 terminate
- Recycle DB2: db2stop/db2start
- Verify that the new log path is in place: db2 connect to TSMDB1; db2 get db cfg | grep "Path to log files ( on UNIX ) "
- Verify that the new log path is in place: db2 connect to TSMDB1; db2 get db cfg | find "Path to log files ( on Windows ) "

ANR4590I Backup type backup series backup series number operation backup operation in series stream backup stream within operation (always 1) sequence backup volume sequence number in operation taken on date at time.

Explanation: During a DMSERV DISPLAY DBBACKUPVOL command, the server displays the necessary information about a backup volume.

System action: Processing continues for all volumes in the given volume list.

User response: You can use this information to create a list of volumes for a database restore when a volume history backup file is not available.

ANR4591I Selected backup series seriesId from date and time as best candidate available for restore database processing.

Explanation: The DMSERV RESTORE DB command evaluates the volume history file using the criteria specified for the command to determine the best candidate database backup to use.

System action: None.

User response: Evaluate the backup series, date, and time reported to determine if this meets the desired restore objectives. If these do not meet the objectives, re-issue the DMSERV RESTORE DB with additional or changed information in order to achieve the desired recovery objectives.

ANR4592I Restore database backup series seriesId includes eligible operation opId with volume volume name having sequence sequence and using device class device class.

Explanation: The DMSERV RESTORE DB command evaluates the volume history file using the criteria specified for the command to determine the best
candidate database backup to use. The opId and volume name for the indicated device class are candidate volumes that will be evaluated and used for the restore database process.

System action: None.

User response: Evaluate the backup series, date, and time reported to determine if this meets the desired restore objectives. If these do not meet the objectives, re-issue the DSMSERV RESTORE DB with additional or changed information in order to achieve the desired recovery objectives.

ANR4593E Restore database unable to find eligible candidate to use for processing.

Explanation: The DSMSERV RESTORE DB command evaluates the volume history file using the criteria specified for the command to determine the best candidate database backup to use. No eligible candidate backup series was found.

System action: None.

User response: Evaluate the volume history file and available volumes to use for restore of the database. Manually add entries to the volume history file for a backup series and corresponding volumes to consider for restore database processing.

ANR4594E Restore database expects volume volumeName for backup series seriesID and operation operationID but it could not be found in the available volume history files.

Explanation: Once the DSMSERV RESTORE DB command selects a candidate database backup series, it will validate the information from the backup data stream and compare it to the information available from the volume history file. In this case, the database backup has information for the indicated stream sequence but it has been unable to find any information about volumes used for that stream within this backup series and operation.

System action: None.

User response: Evaluate the volume history file and available volumes to use for restore of the database. If additional volumes are available for this series and operation, than add entries to the volume history file for these volume and retry the operation. If no other volumes are available, than remove all entries from the volume history that are assigned to this backup series ID. Once those entries are removed, retry the database restore operation and it will attempt to select the next best candidate for processing.

ANR4596E Restore database is unable to validate the selected database backup for series seriesID and operation operationID against the actual data from the database backup stream.

Explanation: Once the DSMSERV RESTORE DB command selects a candidate database backup series, it will validate the information from the backup data stream and compare it to the information available from the volume history file. In this case, the database backup is missing information which is needed in order to perform a restore of the server database.

System action: None.

User response: This is likely caused by not having all the necessary volumes available and specified in the volume history file. Or this is caused by having the wrong volume designated with sequence 10001. If a volume in the volume history file for this backup series and operation is assigned 10001, try assigning a different volume as sequence 10001. The volume assigned sequence 10001 is expected to have the self-describing validation information and signatures that are used by the restore processing for validation of a given operation for a backup series. If this information is not found or correct, this would result in a restore failure.
ANR4597E  Operation operationId for backup series seriesId does not reference volume volumeName, the volume history information is not correct.

Explanation: Once the DSMSERV RESTORE DB command selects a candidate database backup series, it will validate the information from the backup data stream and compare it to the information available from the volume history file. In this case, the volume history information reports a volume assigned to a given series and operation but that backup does not reference that volume.

System action: None.

User response: This may be caused by one of two possible cases. The first is that the transaction log information recorded for this backup to make this database referentially consistent required more than one volume to store this information. This should be referenced with a write sequence number greater than 10001. If this was assigned a sequence value less than this value, it would be considered as a database backup volume which would result in this error. Alternatively, if this volume simply does not belong to this database backup series or operation, that would result in this failure as well. Removing this entry from the volume history file to eliminate it from consideration for this backup series and operation or correcting the operation id and series id to an appropriate value would also resolve this. After considering the cases above and taking action for one or the other of them, retry the restore database operation.

ANR4598I  Validating database backup information for selected backup series seriesId and operation operationId using volume volumeName.

Explanation: The database backup information for the selected backup series selected from the volume history will be validated against the information from the database backup itself. The volume history information will be cross-checked to insure that the backup series, necessary volumes, and other attributes of the database backup are correct and complete for this operation. Note that if the database restore operation includes incremental database backups, the validation will be done using the volumes assigned to sequence number 10001 for operationId 0 and the operationId representing the best candidate for restore of the incremental database backup data.

System action: None.

User response: If the information is cross-checked and validated successfully, the database restore will be attempted using this database backup series and corresponding volumes. If the information fails to validate, additional messages will be issued indicating what is missing or why the selected database backup series and volumes can not be used. In the case that the validation failed, review the other messages and take the corrective action specified by those messages and then retry the database restore operation.

ANR4599W  Could not create the server database log directory Log directory.

Explanation: During a database restore operation, directories for active, archive, mirror, and archive failover logs might be created. Errors can occur during creation of these directories due to permission, path, or file system issues.

System action: The database restore was successful. However, the server might not be running with the specified log directories.

User response: Review the server options file and the output of the QUERY LOG F=D command. Ensure that the configured log directories were created and have the required access permissions. If you make changes, restart the server.

ANR4600I  Processing volume history file file name.

Explanation: During a DSMSERV RESTORE DB command with the TODATE parameter specified, the server is processing the listed file in order to build a list of volumes needed for the restore operation.

System action: None.

User response: None.

ANR4601E  Incomplete volume list found for TODATE date time - retrying.

Explanation: During a DSMSERV RESTORE DB command with the TODATE parameter specified, the server created a list of volumes needed for the restore operation, but the list was incomplete.

System action: The server tries to build the list again using a different volume history file specified in the server options file. If no other volume history files are available, the server stops processing.

User response: If the problem persists, examine the volume history files to try and determine the error. You can also restore the database by specifying the volume names for each restore operation up to the desired point in time.

ANR4602E  No volumes found for TODATE date time.

Explanation: No volumes were found in the volume history files that meet the date and time parameters specified.

System action: The server does not process the command.
**ANR4603I**  The volume history file that existed before the upgrade to Version 6.3 or later was saved under another name: file name.

**Explanation:** After an upgrade of Tivoli Storage Manager server to V6.3 or later, if you want to revert to the previous release, you must have the original volume history file. The reason is that the V6.3 or later volume history file has a different format than the earlier volume history file. The newer volume history file cannot be used to restore the Tivoli Storage Manager database to the previous release.

**System action:** The system saves the previous volume history file under another name to ensure that it is not overwritten.

**User response:** To restore the Tivoli Storage Manager database, use the saved volume history file.

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**ANR4604E**  Restore database volume header magic number magic does not match the expected volume header magic number of expected magic. This volume cannot be used to restore the database.

**Explanation:** Each volume contains a Tivoli Storage Manager volume header that begins with a header magic number. A bad magic number indicates that this volume is either corrupted or not suitable for restoring the database.

**System action:** The server does not process the DSMSERV RESTORE DB command.

**User response:** Check the volume history file to make sure this volume is a valid database backup volume. If this volume is corrupted, restore the database to a different time using a different set of backup volumes.

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**ANR4605E**  Restore database volume header version number version does not match the expected volume version number of expected version. This volume cannot be used to restore the database.

**Explanation:** Each database backup volume contains a Tivoli Storage Manager version number in the volume header. A mis-matched version number indicates that this volume is either corrupted or not suitable for restoring the database.

**System action:** The server does not process the DSMSERV RESTORE DB command.

**User response:** Check the volume history file to make sure this volume is valid for a database backup operation. If the volume is valid, the volume history file can be modified to match this series number and you can reissue the DSMSERV RESTORE DB command. If the problem persists, this volume may be corrupted. Restore the database to a different time using a different set of backup volumes.

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**ANR4606E**  Restore database volume header backup series number series does not match the expected backup series number of expected series. This volume cannot be used to restore the database.

**Explanation:** Each database backup volume contains a Tivoli Storage Manager backup series number in the volume header. A mis-matched backup series number indicates that this volume is either corrupted or not suitable for restoring the database.

**System action:** The server does not process the DSMSERV RESTORE DB command.

**User response:** Check the volume history file to make sure this volume is a valid database backup volume. If the volume is corrupted, restore the database to a different time using a different set of backup volumes.

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**ANR4607E**  Restore database volume header backup operation number operation does not match the expected backup operation number of expected operation. This volume cannot be used to restore the database.

**Explanation:** Each database backup volume contains a Tivoli Storage Manager backup operation number in the volume header. A mis-matched backup operation number indicates that this volume is either corrupted or not suitable for restoring the database.

**System action:** The server does not process the DSMSERV RESTORE DB command.

**User response:** Check the volume history file to make sure this volume is valid for a database backup operation. If the volume is valid, the volume history file can be modified to match this operation number and you can reissue the DSMSERV RESTORE DB command. If the problem persists, this volume may be corrupted. Restore the database to a different time using a different set of backup volumes.

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**ANR4608E**  Restore database volume header backup type backup type is invalid. This volume cannot be used to restore the database.

**Explanation:** Each database backup volume contains a Tivoli Storage Manager backup type code in the volume header. An invalid backup type code indicates that this volume is either corrupted or not suitable for restoring the database.

**System action:** The server does not process the DSMSERV RESTORE DB command.

**User response:** Check the volume history file to make sure this volume is a valid database backup volume.
**ANR4609I**  
Restore database process found backup type database backup timestamp backup timestamp from database backup media.

**Explanation:** This is the backup timestamp that is used for a database restore operation.

**System action:** The server does not process the DSMSERV RESTORE DB command.

**User response:** Check the volume history file to make sure this volume is valid for a database backup operation. If this volume is corrupted, restore the database to a different time using a different set of backup volumes.

**ANR4610E**  
Database volume DB volume name not found in current configuration.

**Explanation:** The command specified the name of a nonexistent database volume.

**System action:** The server does not process the command.

**User response:** Reissue the command with a valid database volume name.

**ANR4611E**  
Unable to restore database and roll forward updates - log mode was not previously set to ROLLFORWARD.

**Explanation:** The command specified that the database be restored and all updates rolled forward to the most current state. This process cannot be accomplished because the server recovery log mode was not set to ROLLFORWARD; therefore, no update information exists.

**System action:** The server does not process the command.

**User response:** Reissue the command and specify a point in time (TODATE/TOTIME) for restore.

**ANR4612E**  
Unable to restore database and roll forward updates.

**Explanation:** The command specified that the database be restored and all updates rolled forward to the most current state. This process cannot be accomplished because the internal list of volumes for the most recent full/incremental backup series is not available. Possible reasons include:

- No full backup was taken after setting the recovery log mode to ROLLFORWARD with a SET LOGMODE command.
- Only snapshot database backups were created.

**System action:** The server does not process the DSMSERV RESTORE DB command.

**User response:** Reissue the command and specify a point in time (TODATE/TOTIME) for restore.

**ANR4613E**  
Meta data for restore database volume backup volume is not valid. This volume cannot be used to restore the database.

**Explanation:** Backup volumes contain Tivoli Storage Manager meta data. Invalid meta data indicates that this volume is either corrupted or not suitable for restoring the database.

**System action:** The server does not process the DSMSERV RESTORE DB command.

**User response:** Check the volume history file to make sure this volume is valid for a database backup operation. If this volume is corrupted, restore the database to a different time using a different set of backup volumes.

**ANR4614E**  
The database backup timestamp of backup timestamp on media on database backup media with backup type backup type does not match the backup timestamp backup timestamp from volhist from the volume history file. This volume cannot be used to restore the database.

**Explanation:** Mis-matched timestamps indicates that this volume is either corrupted or not suitable for restoring the database.

**System action:** The server does not process the DSMSERV RESTORE DB command.

**User response:** Check the volume history file to make sure this volume is valid for a database backup operation. If this volume is corrupted, restore the database to a different time using a different set of backup volumes.

**ANR4615E**  
The server is unable to restore the database due to inaccessible media.

**Explanation:** The database restore operation cannot be completed. Possible reasons include:

- The device configuration file is not correctly defined to access the media.
- There is a problem with the media.

**System action:** The database is not restored.

**User response:** Review the information in the message explanation and take action to correct any problems with the device configuration file or media. Reissue the RESTORE DB command.
ANR4616E  Database restore terminated because the media header cannot be found - DB2 sqlcode sqlcode and DB2 error message sqerrormc.

Explanation: During a restore operation, the DB2 database was unable to find the media header. There might be a problem with the media.

System action: The database restore is terminated.

User response: Check if the Tivoli Storage Manager server reports an error for the media. Ensure that the media that is used for the database backup is working.

ANR4619I  Snapshot database backup series snapshot database backup series using device class device class.

Explanation: The device class used for the snapshot database backup is shown.

System action: None.

User response: None.

ANR4620I  Database backup series Backup series Backup series operation backup operation device class device class.

Explanation: The device class used for the backup is shown.

System action: None.

User response: None.

ANR4621I  Database backup device class device class.

Explanation: The device class for the backup is shown.

System action: None.

User response: None.

ANR4621I  Volume volume sequence number in backup operation: volume name.

Explanation: The volume sequence and name for a full or an incremental database backup are shown.

System action: None.

User response: None.

ANR4623I  Stream stream number in backup operation volume volume sequence number in backup stream: Volume name.

Explanation: The stream number, volume sequence and name for a full or an incremental database backup are shown.

System action: None.

ANR4624I  Preview processing for a database restore operation has completed.

Explanation: The database restore command was issued with PREVIEW=YES specified. The server will evaluate the volume history information and report the details about what it found. It will report the candidate database backup that was selected based on the restore command that was specified. If the database restore processing is unable to find a viable database backup to use for restore or other errors occur during this evaluation, these will also be reported.

System action: None.

User response: Review the other messages issued to determine the outcome of the database restore preview operation.

ANR4625W  Database backup failure while attempting to use number of streams streams, backup will be retried using one stream.

Explanation: The database backup process failed while attempting the operation with the specified number of streams. The operation will be retried with a single stream.

System action: The database backup will be automatically retried using a single stream.

User response: Review the other messages issued to determine the reason for the failure of the database backup while using multiple output streams. Also review the process completion and other message to determine if the retry using a single stream was successful.

ANR4626I  Database backup will use number of streams streams for processing with the number originally requested number requested.

Explanation: The database backup will be performed using the specified number of streams. The original number of streams requested, either through the command or the NUMSTREAM setting for SET DBRECOVERY, is also displayed.

System action: The database backup will be performed with the indicated number of streams.

User response: Note that if the number of streams used for the database backup differs from the number requested, this indicates either a configuration error or that the device being used does not have as many drives available as was previously considered and planned for. Review the device class and NUMSTREAM settings used for the database backup command to determine if changes are needed or if actions are needed to bring drives back online.
ANR4630I  Starting point-in-time database restore (commit).

Explanation: A point-in-time database restore with a specified list of volumes has started. When this restore is complete, the database will be committed to the point in time of this backup.

System action: None.

User response: None.

ANR4631I  Point-in-time database restore (commit) complete, restore date date time.

Explanation: A point-in-time database restore with a specified list of volumes is complete. The date shown is the date to which the database has been restored.

System action: None.

User response: None.

ANR4632I  Starting point-in-time database restore (no commit).

Explanation: A point-in-time database restore with a specified list of volumes has started. When this restore is complete, the database will not yet be usable.

System action: None.

User response: To complete a database restore where a volume list is specified, specify COMMIT=YES on the command when restoring the last set of backup volumes. If you forgot to specify COMMIT=YES on the command, issue the last restore command again with COMMIT=YES.

ANR4633I  Point-in-time database restore (no commit) complete.

Explanation: A point-in-time database restore with a specified list of volumes is complete. The database is not yet usable.

System action: None.

User response: To complete a database restore where a volume list is specified, specify COMMIT=YES on the command when restoring the last set of backup volumes. If you forgot to specify COMMIT=YES on the command, issue the last restore command again with COMMIT=YES.

ANR4634I  Starting point-in-time database restore to date date time.

Explanation: A point-in-time database restore with the TODATE parameter specified has begun. When this restore is complete, the database will be committed to the point in time of this backup.

System action: None.

User response: None.
ANR4640I Restored number of database pages pages
from backup series backup series number
operation backup operation in series.

Explanation: At the end of each restored backup, the server displays the number of database pages restored.
System action: None.
User response: None.

ANR4641I Sequential media log redo pass in progress.
Explanation: During a DSMSERV RESTORE DB, the process of committing incomplete database updates has begun.
System action: None.
User response: None.

ANR4642I Sequential media log undo pass in progress.
Explanation: During a DSMSERV RESTORE DB, the process of rolling back incomplete transactions has begun.
System action: None.
User response: None.

ANR4643I Processed number of log records log
records.
Explanation: Periodically, during the commit of a point-in-time restore or while rolling forward updates during a roll forward restore, the server displays the number of log records processed.
System action: None.
User response: None.

ANR4644I A full backup will be required for the next database backup operation.
Explanation: During a point-in-time restore of a database, this message is displayed to notify the administrator that the next database backup taken during normal operation must be a full backup. This process is normal for point-in-time database restores.
System action: None.
User response: At the next server restart, do a full database backup. A full database backup is started automatically if a DBBACKUPTRIGGER is defined.

ANR4645I The restore date reflects the most recent backup available up to the specified TODATE.
Explanation: During a DSMSERV RESTORE DB with the TODATE parameter, the date of the restored backup was not identical to the date specified on the command. The backup series that was restored is the most recent backup series up to and including the specified date.
System action: None.
User response: Make sure the date of the restored database is satisfactory. If it is not, restore the database again by specifying a different TODATE or by restoring individual database backups.

ANR4646I Database capacity required for restore is number of megabytes megabytes.
Explanation: During a point-in-time restore of a database, the size of the database being restored is displayed. The available capacity of the online database volumes must be at least this size.
System action: If the available capacity of the online database volumes is not at least this size, the restore cannot continue.
User response: If the available capacity of the online database is not sufficient, reinstall the server with the required database size, and try the restore operation again.

ANR4647I Database available capacity is number of megabytes megabytes.
Explanation: During a point-in-time restore of a database, the available capacity of the online database volumes is displayed. This capacity must be as large as the size of the database being restored.
System action: If the available capacity of the online database volumes is not at least this size, the restore cannot continue.
User response: If the available capacity of the online database is not sufficient, reinstall the server with the required database size, and try the restore operation again.

ANR4648I Extending database assigned capacity to number of megabytes megabytes.
Explanation: During a point-in-time restore of a database, the assigned capacity of the online database is smaller than that of the database being restored. However, the available capacity of the online database volumes is sufficient for restore.
System action: The assigned capacity of the online database is extended to the size required for restore.
User response: None.
ANR4649I Reducing database assigned capacity to number of megabytes megabytes.

Explanation: During a point-in-time restore of a database, the assigned capacity of the online database is larger than that of the database being restored.

System action: The assigned capacity of the online database is reduced to the size required for restore.

User response: None.

ANR4650E Restore of backup series current series operation current operation is not in sequence; last restored backup was series previous series operation previous operation.

Explanation: During a DSMSERV RESTORE DB, a backup volume was mounted that is not in the correct sequence.

System action: The database restore is terminated.

User response: Ensure volume names are specified in the correct sequential order. For a restore with COMMIT=NO, reissue the last restore command. For a restore with COMMIT=YES, restart the restore from the beginning of the full backup.

ANR4651E Restore of backup series current series operation current operation is not in sequence; backup is part of another log epoch.

Explanation: During a DSMSERV RESTORE DB, a backup volume was mounted that is not in the correct sequence. The current backup operation cannot be restored in this series because it belongs to the same backup series from another point in time.

System action: The database restore is terminated.

User response: Restart the database restore from the beginning of the full backup. Omit all backups from the offending backup and later from the restore.

ANR4652E No system message queues available for communications.

Explanation: While Tivoli Storage Manager was trying to establish a communications session, an attempt to acquire a system message queue failed. This usually means that the system-imposed limit on message queues has been reached.

System action: The communications session is not initialized due to lack of system resources.

User response: Increase the maximum number of message queues on the system and try the operation again. This is normally accomplished by increasing the value in the kernel's msgmni file.

ANR4653E Incremental backup DB failed. Can not perform incremental DB backup without a FULL DB backup performed first.

Explanation: A FULL DB backup has to be performed at least once before any Incremental DB backup can be performed.

System action: The incremental DB backup is terminated.

User response: Reissue the backup db command with type=FULL.

ANR4654I The restore db to most current time can not be done since contents of the active or archive log directories have been changed. The DB will be restored to the last full or full plus incremental state.

Explanation: The restore DB can only restore to the last FULL backup.

System action:

User response: Do not modify contents of active or archive log directories before attempting a dsmserv roll forward restore command.

ANR4655W The restore DB is completed and active log directory has been changed by DB2 from original active log directory to new active log directory

Explanation: The active log directory has been changed by DB2.

System action:

User response: the user can do the following:
- Start DB2: db2start
- Connect to TSMDB1: db2 connect to TSMDB1
- Update the DB config: db2 update db cfg using NEWLOGPATH (log path from server options, e.g. /ALOG/tsminst1)
- Terminate connection to TSMDB1: db2 terminate
- Recycle DB2: db2stop/db2start
- Verify new log path takes effect: db2 connect to TSMDB1; db2 get db cfg  grep "Path to log files"

ANR4656E Invalid key-ring file password Key Ring password

Explanation: The specified key-ring file password exceeds the maximum password length of 64 characters.

System action: None

User response: Specify a key-ring file password using 1-64 characters. Ensure that the password is the same value that was specified with the key-ring file password utility.
ANR4657E SNMP: Failed to connect to server at address address, port port.

Explanation: The SNMP client was attempting to run a session with the server at the indicated address and port number in response to an SNMP Get Request, which causes a Server Script to be run. The subagent failed to connect to the server.

System action: The SNMP subagent ends this attempt to run the script and continues operation.

User response: Ensure that the indicated server is up and able to initiate admin clients using the TCP/IP protocol.

ANR4658I No key-ring file password was found.

Explanation: Either a QUERY command was issued to display the key-ring file password or a SET command was issued to inform the server of a change to the key-ring file password. A password was not recorded by the server.

System action: None

User response: To create a key-ring file or to generate a password, the server must run with secure sockets layer (SSL) transmission control protocol (TCP) port options. If the server did not run with SSL TCP port options, start the server while the options file contains the SSLTCPADMINPORT or SSLTCPADMINPORT option. Then issue the QUERY SSLKEYRINGPW command to display the generated password. If you use an external utility to change the key-ring file password after the server creates the key-ring file and its password, issue the SET SSLKEYRINGPW command to inform the server of the change.

ANR4659E SNMP: Communications failure: bad verb received (verb type).

Explanation: The SNMP client encountered an invalid communications verb during a session with the server and is not able to continue processing the session.

System action: The SNMP session ends and subagent operation continues.

User response: Contact your service representative.

ANR4660I Connected to SNMP subagent at SNMP subagent address on port port number.

Explanation: The server has successfully connected to the SNMP subagent at the indicated address and port.

System action: The server will now register with the subagent.

User response: None.

ANR4661E SNMP communication with the subagent failed because a thread resource was not available.

Explanation: The server could not continue with SNMP communication to the SNMP subagent because sufficient memory is not available for starting additional processes on the server.

System action: The server discontinues SNMP processing and server operation continues.

User response: See the documentation for the operating system about how to increase memory for an application.

ANR4662W Failure sending message to SNMP subagent.

Explanation: The server experienced an error return code from TCP/IP while sending to the SNMP subagent. This message is also issued when the SNMP subagent has an error sending a verb to the server when acting as an SNMP client. This may be a normal event if either side of the connection is abruptly ended, as in the case of terminating the subagent program. The error is reflected in another message for TCP/IP which further describes the error.

System action: The session is ended. Server operation continues. If a heartbeat message was being sent to the subagent, this heartbeat message is lost and the server attempts to re-start its session with the SNMP subagent.

User response: If the session is ended as a result of intentionally stopping either the subagent, no response is required. Otherwise, ensure that the TCP/IP protocol stack is functioning by using the tools that come with the particular TCP/IP suite on the platform in use.

ANR4663W Failure receiving message from SNMP subagent.

Explanation: The server experienced an error return code from TCP/IP while receiving data from the SNMP subagent. This may be a normal event if either side of the connection is abruptly ended, as in the case of terminating the subagent program. The error is reflected in another message for TCP/IP which further describes the error.

System action: The session is ended. Server operation continues. If a heartbeat message was being sent to the subagent, this heartbeat message is lost and the server attempts to re-start its session with the SNMP subagent.

User response: If the session is ended as a result of intentionally stopping either the subagent, no response is required. Otherwise, ensure that the TCP/IP protocol stack is functioning by using the tools that come with the particular TCP/IP suite on the platform in use.
stack is functioning by using the tools that come with the particular TCP/IP suite on the platform in use.

**ANR4664W** Failure in registering with SNMP subagent.

**Explanation:** The server experienced a problem while attempting to register with the SNMP subagent. This may be due to problems with communication or the SNMP subagent being unavailable.

**System action:** Heartbeat messaging will be disabled until the server is re-started.

**User response:** Ensure that the subagent is running and that the TCP/IP protocol stack is functioning by using the tools that come with the particular TCP/IP suite on the platform in use.

**ANR4665W** Failure retrying registration with SNMP subagent.

**Explanation:** The server experienced a problem while attempting to re-register with the SNMP subagent after losing contact. This may be due to problems with communication or the SNMP subagent being unavailable.

**System action:** Registration is re-tryed for a number of attempts before giving up.

**User response:** Ensure that the subagent is running and that the TCP/IP protocol stack is functioning by using the tools that come with the particular TCP/IP suite on the platform in use.

**ANR4666W** Failure sending heartbeat message to SNMP subagent.

**Explanation:** The server experienced a problem while attempting to send a heartbeat message to the SNMP subagent. This may be due to problems with communication or the SNMP subagent being unavailable.

**System action:** The server will attempt to contact the SNMP subagent again and re-synchronize.

**User response:** Ensure that the subagent is running and that the TCP/IP protocol stack is functioning by using the tools that come with the particular TCP/IP suite on the platform in use.

**ANR4667W** Failure retrying heartbeat message to SNMP subagent.

**Explanation:** The server experienced a problem while attempting to send a heartbeat message to the SNMP subagent. The SNMP subagent was unable to accept the heartbeat message. If the subagent was stopped and re-started, this is a normal message.

**System action:** The server will attempt to contact the SNMP subagent again and re-synchronize.

**User response:** Ensure that the subagent is running and that the TCP/IP protocol stack is functioning by using the tools that come with the particular TCP/IP suite on the platform in use.

**ANR4670W** Failure in opening session with SNMP subagent.

**Explanation:** The server experienced a problem while attempting to open a session with the SNMP subagent. This may be due to problems with communication or the SNMP subagent being unavailable.

**System action:** The server will attempt to contact the SNMP subagent again and re-synchronize.

**User response:** Ensure that the subagent is running and that the TCP/IP protocol stack is functioning by using the tools that come with the particular TCP/IP suite on the platform in use. If heartbeat and message forwarding functions are required, re-start the server.

**ANR4671W** SNMP subagent did not accept registration of this server.

**Explanation:** The server experienced a problem while attempting to open a session with the SNMP subagent. The subagent is available but disallowed registration by this server.

**System action:** Processing continues. Heartbeat and message forwarding function will not be available.

**User response:** It may be necessary to stop the...
subagent and re-start it. Then stop the server and re-start it if heartbeat and message forwarding functions are required.

**ANR4672W SNMP message forwarding to the SNMP subagent was not started because a thread resource was not available.**

**Explanation:** The server could not continue with SNMP communication to the SNMP subagent for message forwarding because sufficient memory is not available for starting additional processes on the server.

**System action:** The server discontinues SNMP message processing and server operation continues.

**User response:** See the documentation for the operating system about how to increase memory for an application.

**ANR4673E Insufficient memory for subagent initialization (the portion of initialization where the allocation of memory failed).**

**Explanation:** The SNMP subagent could not initialize due to the inability to obtain the required memory.

**System action:** Initialization of the subagent fails.

**User response:** Allocate additional storage to the subagent.

**ANR4674E Error starting DPI thread - Return code:**

**Return code received from called routine.**

**Explanation:** The SNMP subagent could not start the DPI thread.

**System action:** Initialization of the subagent fails.

**User response:** Contact your service representative.

**ANR4675E Server/subagent protocol violation - invalid (where the protocol breakdown occurred).**

**Explanation:** The SNMP subagent received an unexpected request from the server.

**System action:** The subagent will stop processing requests from the server sending the invalid requests.

**User response:** Contact your service representative.

**ANR4676E Unable to register another server.**

**Explanation:** The SNMP subagent received a request to register a new server and was unable to allocate the memory necessary to register the new server.

**System action:** The subagent will not register the new server.

**User response:** Contact your service representative.

**ANR4677I Session established with server name:**

**The name of the registered server.**

**Explanation:** The SNMP subagent completed the registration of the identified server.

**System action:** The subagent will wait for additional requests from the server.

**User response:** None.

**ANR4678I Session closed with server name:**

**The name of the deregistered server.**

**Explanation:** The SNMP subagent completed the deregistration of the identified server.

**System action:** None.

**User response:** None.

**ANR4679W Messages are no longer being forwarded to the SNMP subagent.**

**Explanation:** The server has encountered multiple errors in forwarding messages to the SNMP subagent. Messages are no longer being forwarded.

**System action:** The server continues operating, but messages are no longer being forwarded.

**User response:** Message forwarding can be re-initialized by either stopping the server and re-starting it. Message forwarding will also be re-started if the heartbeat function is in use and the server re-synchronizes with the subagent. This re-synchronization occurs if the subagent, dsmsnmp, is stopped for longer than a single heartbeat interval (the heartbeat interval is a server option and appears in the output of the QUERY OPT command) and then restarted.

**ANR4680I DPI subagent (The subagent name):**

**"Connected" or "reconnected", ready to receive requests.**

**Explanation:** The subagent has successfully connected or reconnected to the SNMP agent.

**System action:** The subagent is ready to receive requests from servers.

**User response:** None.

**ANR4681W Connect to SNMP agent failed, will keep trying.**

**Explanation:** The subagent has failed in an attempt to connect to the SNMP agent.

**System action:** The subagent keeps retrying the connection.

**User response:** Make sure that the SNMP daemon is up, running and correctly configured.
ANR4682W  A SNMP agent connection error occurred. Attempting to re-establish connection.

Explanation: An error has occurred in the communication between the subagent and the SNMP agent.
System action: The subagent will attempt to reconnect.
User response: Make sure that the SNMP daemon is up, running and correctly configured.

ANR4683E  Unable to open trace file 'file name'.

Explanation: An error occurred while opening the file for writing trace data.
System action: The subagent continues operation without tracing.
User response: Ensure there is adequate space on the drive from which you are running the subagent and retry the program.

ANR4684E  Trap request failed - RC: Return code from the trap request. Server index: Server index number.

Explanation: An error occurred while attempting to process a trap request from a server. data.
System action: The subagent processing continues.
User response: Make sure that the SNMP daemon is up, running and correctly configured.

ANR4685E  Insufficient memory for subagent initialization.

Explanation: The SNMP subagent could not initialize due to the inability to obtain the required memory.
System action: Initialization of the subagent fails.
User response: Allocate additional memory to the subagent.

ANR4686E  Insufficient memory for subagent trace initialization.

Explanation: The SNMP subagent trace could not initialize due to the inability to obtain the required memory.
System action: Initialization of the subagent fails.
User response: Allocate additional memory to the subagent.

ANR4687E  Server/subagent protocol violation - expecting registration request. Received request: The value of the request that was received.

Explanation: The SNMP subagent was expecting a registration request. It actually received something other than a registration request.
System action: The subagent will stop processing requests from the server sending the invalid requests.
User response: Contact your service representative.

ANR4688E  Server/subagent protocol violation - incorrect request header version.

Explanation: The SNMP subagent received a request from a server that was not at the same maintenance level as the subagent.
System action: The subagent will stop processing requests from the server sending the invalid requests.
User response: Ensure the server and subagent are at the same maintenance level. If they are, contact your service representative.

ANR4689E  Invalid request type received (The value of the request that was received.).

Explanation: The SNMP subagent received an unexpected request from the server.
System action: The subagent will stop processing requests from the server sending the invalid requests.
User response: Contact your service representative.

ANR4690E  Unexpected request type (The value of the request that was received.) in trap data header.

Explanation: The SNMP subagent received an invalid trap request from a server.
System action: The subagent will stop processing requests from the server sending the invalid requests.
User response: Contact your service representative.

ANR4691I  DPI subagent (The subagent name): connected, ready to receive requests.

Explanation: The subagent has successfully connected to the SNMP agent.
System action: The subagent is ready to receive request from servers.
User response: None.
ANR4692I DPI subagent: ANR4692I reconnected, ready to receive requests.

Explanation: The subagent has successfully reconnected to the SNMP agent.

System action: The subagent is ready to receive request from servers.

User response: None.

ANR4693I Interface Driver information will be loaded in quiet mode: Only warning and error messages will be displayed.

Explanation: The server is loading information needed for the Administrative WEB Interface. To minimize message traffic, only error and warning messages will be displayed.

System action: When the command completes, WEB administrative information will be loaded into the server.

User response: None.

ANR4694E SNMP Subagent Port Confirmation Has Failed.

Explanation: The server was communicating configuration data to the SNMP subagent. An error occurred in the exchange. The server could not communicate interface information to the subagent.

System action: The server continues operation. The SNMP administrative interface is inoperative.

User response: The most likely cause of this problem is a temporary network failure. The server should be re-started to retry the connection to the SNMP subagent. If this problem occurs repeatedly, please contact your service representative.

ANR4695E SNMP: Communications Failure in Receiving "verb type" verb.

Explanation: The SNMP client encountered a communications error in using the verb type verb to transfer information to or from the server and an SNMP client.

System action: The SNMP session ends and server operation continues.

User response: This may not be a problem if the SNMP subagent was terminated while the session was in progress. Otherwise, ensure that TCP/IP communications is running normally.

ANR4697E SNMP: Failed to authenticate to server at address address, port port.

Explanation: The SNMP client was attempting to run a session with the server at the indicated address and port number in response to an SNMP Get Request, which causes a Server Script to be run. The subagent connected to the indicated server, but failed in authentication.

System action: The SNMP subagent ends this attempt to run the script and continues operation.

User response: Ensure that the indicated server has an administrative id of SNMPADMIN and that this administrative id has sufficient authority to run the script and commands it contains.

ANR4698E SNMP: Communications Failure in Sending "verb type" verb (command).

Explanation: The SNMP client encountered a communications error in using the verb type verb to issue command command.

System action: The SNMP client session ends and subagent operation continues.

User response: Contact your service representative.

ANR4699E SNMP: Receive Buffer overflow.

Explanation: The SNMP client encountered an overflow error in transferring information to or from the server.

System action: The SNMP client session ends and subagent operation continues.

User response: Contact your service representative.

ANR4700I The server move batch size has been set to new batch size. Move operations that start after this point will use the new value.

Explanation: A SETOPT command was used to set the value for the move batch size value. This setting determines the maximum number of files that are moved on the server in one database transaction, dependent also on the setting for the move size threshold. The setting influences file movement for server migration, reclamation, storage pool backup, and move data operations.

System action: The server uses this new setting for move operations that are started after this message is issued.

User response: Contact your service representative.
<table>
<thead>
<tr>
<th>Message</th>
<th>Explanation</th>
<th>System action</th>
<th>User response</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANR4701I</td>
<td>The server move size threshold has been set to new threshold. Move operations that start after this point will use the new value.</td>
<td>A SETOPT command was used to set the value for the move size threshold value. This setting determines the maximum number of megabytes that are moved on the server in one database transaction, dependent also on the setting for the move batch size. The setting influences file movement for server migration, reclamtion, storage pool backup, and move data operations.</td>
<td>The server uses this new setting for move operations that are started after this message is issued.</td>
</tr>
<tr>
<td>ANR4702I</td>
<td>The server transaction group maximum has been set to new value. Client sessions that are started after this point will use the new value.</td>
<td>A SETOPT command was used to set the value for the maximum number of files that can be sent from the client in a single database transaction.</td>
<td>The server uses this new setting for client sessions that are started after this message is issued.</td>
</tr>
<tr>
<td>ANR4703E</td>
<td>Invalid key-ring filename Key Ring Filename</td>
<td>The key-ring filename specified did not contain the .kyr extension.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR4704I</td>
<td>key-ring filename and password have been set. Restart the server to use the new settings</td>
<td>The key-ring filename have been set to the new value specified in the DEFINE KEYRING command.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR4705I</td>
<td>The server IDL definitions have not been installed. These definitions will need to be installed for the Web Administrator interface to work.</td>
<td>The server attempted to query the server IDL interface and found no definitions defined. Because of this error the HTTP engine returns a 404 not found message.</td>
<td>The server uses this new setting for move operations that are started after this message is issued.</td>
</tr>
<tr>
<td>ANR4706W</td>
<td>Unable to open file Filename to satisfy web session Session ID.</td>
<td>A web browser requested a file and the server could not find the file on the local file system. Special note, some files requested from the server are not valid and are caused by a browser error. For example, a request for CommandLineBeanInfo.class is not a valid file request. However, a request of a GIF image or HTML page should not produce this error.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR4707E</td>
<td>Import/LoadDb command operation terminated - incomplete input volume list.</td>
<td>The list of volumes needed to process the command was incomplete. At least one volume needed for the operation is missing from the end of the list.</td>
<td>None.</td>
</tr>
<tr>
<td>ANR4708I</td>
<td>Native SSL support has been disabled, please use the web proxy.</td>
<td>Starting in this version of this product native Secure Socket Layer support has been removed. This feature has been replace with the web proxy. Support for non-secure http request (COMMMETHOD HTTP) has not been disabled.</td>
<td>None.</td>
</tr>
</tbody>
</table>
User response:
1. Remove COMMMETHOD HTTPS from your option file.
2. Install and configure the web proxy. See Quick Start Appendices for more information on how to install and configure the web proxy.

**ANR4709W** Intervention required to mount volume

*Volume Name* on *Library Manager Server Server Name.*

**Explanation:** A volume mount is awaiting operator intervention on the specified library manager server.

**System action:** The volume mount operation waits for operator intervention.

**User response:** Refer to the server console and/or activity log on the named library manager server to determine the action that needs to be performed to complete the mount operation.

**ANR4710W** Library manager *Server Name* could not be contacted to control library *Library Name.*

**Explanation:** The specified library manager server could not be contacted for control of the named library.

**System action:** The server will continue to contact the named library manager server. Volume mounts in the library will fail until communication is successful.

**User response:** Determine why the named server is not running or why the network prevents communication with the named server.

**ANR4712E** Command: The DEVCLASS parameter is only valid for volume history types DBBACKUP or DBSNAPSHOT.

**Explanation:** The command failed because an invalid volume history type was specified for the TYPE= parameter.

**System action:** The command fails, and server operation continues.

**User response:** Re-issue the command and specify a valid type value.

**ANR4713E** Command: The "option" string is not valid for the Hex Filespace Field.

**Explanation:** The command indicated specifies a value that is not valid for the Hex Filespace parameter.

**System action:** The server does not process the command.

**User response:** Reissue the command with a valid entry for the Hex Filespace parameter.

**ANR4714I** Command filename for filespace *filespace name* of node *node name* started as process process ID.

**Explanation:** A file deletion process has started to delete one or more files from the given filespace for the given node. The process is assigned the ID specified in the message.

**System action:** The server starts a background process to perform the operation in response to the DELETE FILE command entered by an administrator.

**User response:** To obtain status on the file deletion process, issue the QUERY PROCESS command. The process may be canceled with the CANCEL PROCESS command.

**ANR4715I** DELETE FILE *file name* (backup/archive data) for filespace *filespace name* of node *node name* started.

**Explanation:** A background server process has started (on the server) to delete files from the given filespace for the given node.

**System action:** The background process deletes backup and archive objects that match the given file name while server operation continues.

**User response:** To obtain status on the file deletion process, issue the QUERY PROCESS command. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.

**ANR4716I** DELETE FILE *file name* (archive data) for filespace *filespace name* of node *node name* started.

**Explanation:** A background server process has started (on the server) to delete files from the given filespace for the given node.

**System action:** The background process deletes archive objects that match the given file name while server operation continues.

**User response:** To obtain status on the file deletion process, issue the QUERY PROCESS command. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.
User response: To obtain status on the file deletion process, issue the QUERY PROCESS command. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.

ANR4718I  DELETE FILE file name canceled for
    filespace filespace name of node node name :
    number of objects objects deleted.
Explanation: A background server process that has been deleting files for the given filespace of the given node is canceled by the CANCEL PROCESS command. The number of objects deleted before the cancel ended the operation are reported in the message.
System action: The server process is ended and server operation continues.
User response: No action is required. An authorized administrator can issue the DELETE FILE command to delete the remaining files desired.

ANR4719I  DELETE FILE file name complete for
    filespace filespace name of node node name :
    number of objects objects deleted.
Explanation: A server process deleting file space data for the node specified has completed. The total number of objects deleted is reported in the message.
System action: The server process is ended and server operation continues.
User response: None.

ANR4724E  During the backup of node node (Node id) filespace filespace name (filespace id) a
deletion activity occurred.
Explanation: During full or incremental backup processing, files were deleted from the file space. The files were not deleted by expiration, but by some other process. DELETE FILESPACE, DELETE VOLUME, AUDIT VOLUME, or some other administrator command can cause files to be deleted. The file space image on the server will not be consistent with the client until an incremental backup is completed for the node.
System action: The server will continue processing.
User response: Perform an incremental backup for the client node.

ANR4725E  Source file(line number): Server lock
    Locktype, mode Lockmode failed.
Explanation: An internal error occurred in an attempt to obtain a lock during processing.
System action: The activity that generated this error fails.
User response: Retry the process. If the process fails contact your service representative.

ANR4728E  Server connection to file server File server name failed. Please check the
    attributes of the file server specified during definition of the datamover.
Explanation: The server attempted to connect to a file server. The connection failed because of one of the following possible reasons:
• One of the parameters specified during datamover definition was incorrect: TCP/IP address of the file server, user id, password, TCP/IP port
• File server does not support requested NDMP version
• File server is not accessible
• NDMP server limits the number of opened NDMP sessions

Chapter 3. ANR messages 515
An unsupported model of the filer server was detected.

- If the message specifies address 127.0.0.1 or the address of the server system, the NDMPCONTROLPORT and/or NDMPPORTRANGE options may be set to port numbers or ranges which are already in use.

**System action:** TSM server backup/restore of the file server fails.

**User response:** Check if file server is accessible through the network; check each of the attributes specified during datamover definition; check NDMP versions supported by the file server; check the number of open NDMP sessions with the file server, verify that file server model is supported by TSM server. If the server's address is in the message ensure that the ports specified or defaulted for options NDMPCONTROLPORT and/or NDMPPORTRANGE are available for use. Depending on the operating system, the netstat operating system command may be used to determine in-use port numbers.

**ANR4729E**  
Server connection to file server failed. The level of the file server operating system is unsupported by TSM server. Please upgrade the file server to the level of the operating system supported by the server.

**Explanation:** The TSM server was trying to connect to a file server with an unsupported level of the operating system. The server can establish NDMP connection only to a file server with supported level of the operating system. Check the following site for supported levels of file server operating systems: www.ibm.com/support/entry/myportal/Overview/Software/Tivoli/Tivoli_Storage_Manager

**System action:** The TSM server backup/restore of the file server fails.

**User response:** Upgrade the file server to a supported level of the operating system.

**ANR4730E**  
Command: The number of pool type storage pool names specified with the parameter name parameter exceeds the maximum number allowed for simultaneous write.

**Explanation:** The number of copy storage pools combined with the number of active-data pools for a given primary storage pool is limited to three. Earlier versions allowed up to ten copy storage pools in the copy storage pool list.

**System action:** The command fails.

**User response:** Reissue the command specifying a total of three or fewer copy storage pool names and active-data storage pool names.

**ANR4731E**  
Command: The pool type storage pool storage pool name is not defined.

**Explanation:** A DEFINE STGPOOL or UPDATE STGPOOL command contained a storage pool name that is not defined as either a copy storage pool or an active-data storage pool.

**System action:** The command fails.

**User response:** Verify that the copy or active-data storage pool name stated in the error message is correct. If using the COPYSTGPOOLS parameter, correct the problem by using a copy storage pool that already exists or define the copy storage pool. If using the ACTIVEDATAPOOLS parameter, correct the problem by using an active-data storage pool that already exists or define the active-data storage pool. Retry the command.

**ANR4732E**  
Command: The storage pool storage pool name is not a/an pool type storage pool.

**Explanation:** A DEFINE STGPOOL or UPDATE STGPOOL command contained a storage pool name that is not a copy or active-data type storage pool.

**System action:** None.

**User response:** Verify that the copy or active-data storage pool name stated in the error message is correct or remove the storage pool name from the list. If using the COPYSTGPOOLS parameter, correct the problem by using a copy storage pool that already exists or define the copy storage pool. If using the ACTIVEDATAPOOLS parameter, correct the problem by using an active-data storage pool that already exists or define the active-data storage pool. Retry the command.

**ANR4733E**  
Command: The pool type storage pool contains a pool type storage pool name that introduces a cycle into the storage pool chain.

**Explanation:** A DEFINE STGPOOL or UPDATE STGPOOL command contained a copy or active-data storage pool that eventually points to the storage pool being processed.

**System action:** None.

**User response:** Remove the storage pool name from the copy or active-data storage pool list and retry the command.

**ANR4734W**  
The pool type storage pool pool name was removed from the storage pool list because of a failure for session Session Id.

**Explanation:** The named storage pool was removed from the storage pool list for the current session backup/archive/space management operation because
of an error. This removal is only for the session indicated in the message and does not effect other session operation.

**System action:** None.

**User response:** The error that occured could be one of many failure. Look for the following items in the active log or on the server console. 1. Is the named storage pool currently unavailable? 2. Have any I/O error occured on the destination devices (disk or tape drives)? 3. Is the mount limit on the device class correctly set? 4. Is the node's MAXNUMMP value sufficient to satisfy the request?

---

**ANR4735W** Server-free processing is not available. Initialization failed.

**Explanation:** An error occurred while initializing server-free processing. Server-free data transfer is not available to backup and restore images.

**System action:** Client backup and restore image requests will use lan-based data transfer.

**User response:** Check for messages during server initialization and correct the error.

---

**ANR4736E** Set serverfree is not allowed when server-free is not available.

**Explanation:** Server-free processing did not initialize. Changing the status is not allowed.

**System action:** Server processing continues.

**User response:** Server-free status may be changed when the status is ON or OFF.

---

**ANR4737E** Transaction failed for session number for node node name (client platform) - the copy continue attribute for storage pool storage pool name prevented further retries.

**Explanation:** During a backup session one or more copy storage pools associated with the indicated storage pool had a failure. The operation was halted because the copy continue option for the indicated storage pool caused the process to stop.

**System action:** None.

**User response:** Verify the following: 1. Does the device class(es) have enough mount points to satisfy the request? 2. Was the node's MAXNUMMP value sufficient to satisfy the request? 3. Were there any errors reported during the transaction regarding I/O or related issues?

---

**ANR4738E** Command: Storage pool storage pool name is in use as a copy or active-data storage pool by one or more other storage pools.

**Explanation:** A DELETE STGPOOL command specifies a pool that is a copy storage pool and listed as one of the copy storage pools of other storage pool via the DEFINE STGPOOL or UPDATE STGPOOL's COPYSTGPOOL parameter, or, a DELETE STGPOOL command specifies a pool that is an active-data storage pool and listed as one of the active-data storage pools of other storage pools via the DEFINE STGPOOL or UPDATE STGPOOL's ACTIVEDATAPOOLS parameter.

**System action:** The server does not process the command.

**User response:** If necessary, issue the UPDATE STGPOOL command to update other storage pools so that they do not reference the pool to be deleted, and reissue the command.

---

**ANR4739E** Either the high-level address (hladdress), low-level address (lladdress), or both were entered in error.

**Explanation:** The high-level or low-level addresses supplied are incorrect.

**System action:** The server does not process the command.

**User response:** Both the high-level address and low-level address are required for an address to be valid. For an update, both high-level address and low-level address are required for the update to succeed. For a new definition, both high-level address and low-level address are required when SESSIONINIT=SERVERONLY. Either the high-level address or low-level address is missing from this command. Issue the command again and supply the missing address represented by a "?" in this message.

---

**ANR4740W** Either the high level address, low level address, or both were never entered for the specified node( nodename ) and the session initiation status is being changed.

**Explanation:** When the session initiation status of a node is changed by using the SESSIONINIT parameter on the UPDATE NODE command, the scheduling table is updated to reflect the address specified with HLA and LLA keywords of the UPDATE NODE command. If one or both of these keywords have never been used to provide addressing information for the node, server-initiated scheduling will not be able to contact this node.

**System action:** The server does not update the scheduling table. Subsequent server initiated sessions with the node are likely to fail, unless an additional UPDATE NODE command provides both the
HLADDRESS and LLA parameters with correct address information.

**User response:** Both the high level address and low level address are required for an address to be valid. Issue the UPDATE NODE command for this node with complete addressing information through the HLADDRESS parameter for the node address, and the LLAADDRESS parameter for the node listen port information.

**ANR4741W** This command will rename administrator adminName. This administrator has defined or updated schedules. Renaming this administrator will cause these schedules to fail.

**Explanation:** A RENAME ADMINISTRATOR command has been entered for an administrator that owns administrative schedules. If you confirm that you want to proceed with this command, the schedules owned by this administrator will fail when executed in the future.

**System action:** The system asks whether you wish to continue with the command.

**User response:** To process the RENAME ADMINISTRATOR command, enter 'Y' to continue or 'N' to stop the process. To deal with schedules owned by the administrator, use the QUERY SCHEDULE command, or an SQL SELECT statement on the ADMIN_SCHEDULES table to determine which schedules were last updated by the administrator. Use the UPDATE SCHEDULE command to update those schedules controlled by an administrator that has authority to execute them, or use the DELETE SCHEDULE command to remove the schedules.

**ANR4742W** This command has renamed administrator adminName to newAdminName. This administrator has defined or updated schedules. This will cause these schedules to fail in the future.

**Explanation:** A RENAME ADMINISTRATOR command has been entered and the administrator renamed owns the administrative schedules. The schedules will fail when executed in the future because they do not belong to the administrator’s new name.

**System action:** The system renames the administrator.

**User response:** Use the QUERY SCHEDULE command or an SQL SELECT statement on the ADMIN_SCHEDULES table to determine which schedules were last updated by the administrator. Use the UPDATE SCHEDULE command to update those schedules controlled by an administrator that has authority to execute them, or use the DELETE SCHEDULE command to remove the schedules.

**ANR4743W** An insufficient number of mount points are available in device class device class name.

**Explanation:** During simultaneous write processing, the server cannot allocate sufficient mount points for the specified device class. Possible reasons include:

- The mount limit specified for the device class does not provide a sufficient number of mount points to support the simultaneous write operation.
- The drives that service the device class are inaccessible.

**System action:** None.

**User response:** Ensure that:

- The mount limit specified for the device class provides a sufficient number of mount points to support the simultaneous write operation.
- Enough drives are defined and on-line for the library that services the device class.

**ANR4744W** The server cannot acquire a sufficient number of mount points.

**Explanation:** During simultaneous write processing, the server cannot acquire a sufficient number of mount points to satisfy the request.

**System action:** None.

**User response:** Examine error messages that might have been displayed prior to, and after this message. Correct any problems, if possible.

**ANR4745E** Server server name (version.release.modification level.fix level) is not compatible with storage agent storage agent name (version.release.modification level.fix level).

**Explanation:** The server and storage agent are not compatible. The storage agent must be at the same version and release as the server. It must also be at the same modification level, or the same modification level minus one. For example, a server at version 5.2.1 would allow connections from a storage agent at version 5.2.1 or version 5.2.0.

**System action:** If the storage agent and server are not at the same version and release, update the storage agent to the same version and release as the server. Once the storage agent is at the same version and release as the server, upgrade it to either the same modification level or the same modification level minus one.

**User response:** None.
ANR4746E  Session rejected for up level storage agent storage agent name.

Explanation: An up level storage agent attempted to connect to this server. The storage agent can not be at higher level than the server.

System action: The server will not support connections by storage agents at a higher version, at the same version with a higher release, or at the same version and release with a higher modification level. The storage agent will not startup and will report ANR0454W indicating that no resources are available.

User response: None.

ANR4747W  The web administrative interface is no longer supported. Begin using the Integrated Solutions Console instead.

Explanation: The web administrative interface is no longer supported. It has been replaced by an administrative interface based on the Integrated Solutions Console.

System action: The web administrative interface's web page is not displayed.

User response: Install the IBM Tivoli Storage Manager support for the Integrated Solutions Console and begin using it to manage your servers.

ANR4748E  A NAS operation requiring NDMP Version 4 was attempted for file server File server name , however the current NDMP session uses NDMP Version 3. Please verify that file server supports NDMP version 4.

Explanation: A NAS operation which requires NDMP Version 4 was attempted for a file server that is currently configured to run NDMP Version 3.

System action: The TSM server backup/restore or other operation on the file server fails.

User response: Verify that the file server supports NDMP Version 4. Verify that the file server is configured to accept connections using NDMP Version 4.

ANR4749I  Key-ring filename and password have been deleted from the server database.

Explanation: The key-ring filename and password have been deleted. Upon restart the server will attempt to generate a new password and new keyring file if options SSLTCPPORT or SSLTCPADMINPORT are set and the keyring files cert.kdb,cert.crl,cert.rdb do not exist.

System action: None.

User response: Before restarting the server you should delete the corresponding cert.kdb,cert.crl,cert.rdb and cert.arm files from the server execution directory if they exist. Restart the server to generate and use the new key-ring information.

ANR4752I  REPAIR STGVOL process process number started for number of volumes volumes.

Explanation: The REPAIR STGVOL process has been started as the reported process number. This will evaluate and if needed repair the indicated number of volumes.

System action: None.

User response: This process may be monitored using the QUERY PROCESS command. If this process needs to be cancelled, issue the CANCEL PROCESS command.

ANR4753E  REPAIR STGVOL process process number ended, processed volumes processed of total volumes total volumes with repaired volumes repaired and failed volumes failures.

Explanation: The REPAIR STGVOL process has ended. It processed volumes processed out of total volumes total volumes to be processed. The repaired volumes indicates the number of volumes that needed database repairs and were repaired. The failed volumes are volumes that either failed during evaluation or during database repair if it was needed.

System action: None.

User response: If there were failed volumes, review the activity log for more information about the failure.

ANR4754I  REPAIR STGVOL process process number ended, processed volumes processed of total volumes total volumes with repaired volumes repaired.

Explanation: The REPAIR STGVOL process has ended. It processed volumes processed out of total volumes total volumes to be processed. The repaired volumes indicates the number of volumes that needed database repairs and were repaired.

System action: None.

User response: None.

ANR4755W  REPAIR STGVOL process process number ended, processed volumes processed of total volumes total volumes with repaired volumes repaired.

Explanation: The REPAIR STGVOL process has ended. It processed volumes processed out of total volumes total volumes to be processed. The repaired volumes indicates
the number of volumes that needed database repairs and were repaired.

System action: None.

User response: If the volumes processed is less than the total volumes, this may be because the process was cancelled before it could process all the needed volumes. Review the activity log to determine if this is the case and re-issue the command to complete this processing. Or if volumes were reclaimed or deleted while this process was running, there may have been fewer actual volumes to process than what was calculated when the process started. If this is the case no further action is necessary.

ANR4756I REPAIR STGVOL selected volume volume name.
Explanation: The REPAIR STGVOL selected volume name volume to process. This volume will be evaluated for database reference errors and if any are encountered, they will be corrected.

System action: None.

User response: None.

ANR4757I REPAIR STGVOL finished evaluating volume volume name, no repair was needed.
Explanation: The REPAIR STGVOL finished evaluating volume name volume. No repair actions were taken for the database because there were no errors detected.

System action: None.

User response: None.

ANR4758W REPAIR STGVOL repaired volume volume name, database reference errors were found and corrected.
Explanation: The REPAIR STGVOL evaluated volume name volume and determined that repair actions were needed. The necessary repairs were done successfully.

System action: None.

User response: None.

ANR4759E REPAIR STGVOL failed to process volume name.
Explanation: The REPAIR STGVOL failed for volume name volume. This process either failed while evaluating this volume or it had determined that repair actions were needed and it failed performing those actions.

System action: None.

User response: Review the activity log for an indication of why processing for this volume failed. Try issuing "REPAIR STGVOL VOLNAME=volume name" to process this volume again. If this volume was deleted from the server, this message can be ignored.

ANR4760I REPAIR STGVOL reset processing history.
Explanation: The REPAIR STGVOL command was issued with RESET=YES. This resets the processing history. Resetting the processing allows the command to be rerun and causes previously evaluated volumes to be re-evaluated.

System action: None.

User response: An administrator may want to periodically reset the processing history and re-evaluate all volume in the server as a means of validating the server database.

ANR4761E REPAIR STGVOL reset processing history failed.
Explanation: The REPAIR STGVOL command was issued with RESET=YES. This resets the processing history. However, the reset of the processing history failed.

System action: None.

User response: The server is likely out of memory or resources. This command should be re-issued after either halting and restarting the server or after halting the server, rebooting the server machine, and than restarting the server. If the reset still fails after these steps, contact your IBM service representative.

ANR4762E Command: The SPACEMANAGED or ARCHIVE type parameters are not valid for active data storage pool volumes.
Explanation: The QUERY CONTENT server command has been entered with an invalid type parameter. The SPACEMANAGED or ARCHIVE parameters are not valid when the volume specified belongs to an active-data type storage pool.

System action: The server ignores the command.

User response: Reissue the command with correct TYPE parameter for active data storage pool.

ANR4763E Command: Invalid parameter - parameter.
Explanation: The specified server command has been entered with an invalid parameter that is not applicable when using z/OS Media library for sequential FILE storage.

System action: The server ignores the command.

User response: Reissue the command and enter the proper syntax. Neither NUMBEROFVOLUMES nor
FORMATSIZE parameter is valid when using z/OS Media library for sequential FILE storage. The z/OS Media server formats each FILE volume as it is being filled.

ANR4764E  Command: Invalid length for parameter parameter - parameter value.

Explanation: The length for (parameter value) specified for the (parameter) parameter in command command exceeds the maximum allowed length.

System action: The command fails and server operation continues.

User response: Reissue the command and specify a valid length for the parameter. For information on valid values for the parameter for the command, refer to the Administrator’s Reference for your particular platform.

ANR4765I  The key-ring file password was set. Restart the server to use the new password.

Explanation: The password that is used by the server for the key-ring file was set to a value that was specified in the SET SSLKEYRINGPW command. This is typically done after the key-ring file’s password is changed using an external utility.

System action: None.

User response: Restart the server to use the new key-ring file password.

ANR4766E  The server could not access the key-ring file using the password specified in the SET SSLKEYRINGPW command.

Explanation: The password used by the server for the key-ring file was checked for validity but was not valid.

System action: None

User response: The QUERY SSLKEYRINGPW command will show you the key-ring file password that the server is currently using. If the password was changed with an external utility, ensure that the password is the same as that which was specified in the SET SSLKEYRINGPW command. If the password was lost, issue the DELETE KEYRING command to delete the current key-ring file. When you restart the server it will generate a new key-ring file, password, and self-signed certificate. Issue the QUERY SSLKEYRINGPW command to obtain the new password. Then use an external utility to import additional certificates again and designate one as the new default. Restart the server to use the additional certificates.

ANR4767E  Command: Invalid volume name - volume name.

Explanation: The command indicated contains an invalid FILE volume name for a ZOSMEDIA library volume.

System action: The server does not process the command.

User response: Reissue the command with a valid volume name that does not exceed 44 valid characters.

ANR4768E  Command: Alert trigger is already defined for message number.

Explanation: A DEFINE ALERTTRIGGER command has been entered that specifies a message number that is already defined with the server.

System action: The server skips the message number and continues processing the command.

User response: Use the UPDATE ALERTTRIGGER command to update the alert trigger if needed.

ANR4769W  Command: Invalid message number message number.

Explanation: The message number is invalid because the message number is in an incorrect format or does not exist on the server.

System action: The server skips the specified message number and continues to process the rest of the command.

User response: Verify that the format of the message number is correct and exists on the server. Reissue the
command specifying the correct message number.

ANR4771W  Command: Administrator admin name cannot be processed because it is not registered or is locked.

Explanation: This command cannot be processed for the indicated administrator name. The administrator name is not registered or is locked.

System action: The indicated administrator name is not processed. The server continues to process the other administrator names specified with the command.

User response: If the administrator name was specified incorrectly, reissue the command with the correct name. If the administrator name is locked, determine if it can be unlocked. Use the UNLOCK ADMIN command to unlock it, and reissue the command specifying the administrator name.

ANR4772I  Alert trigger message number defined.

Explanation: The requested alert trigger has been added to the server in response to the command.

System action: None.

User response: None.

ANR4773I  Alert trigger message number deleted.

Explanation: The requested alert trigger has been deleted from the server.

System action: None.

User response: None.

ANR4774I  Command command processed.

Explanation: The specified command was processed.

System action: None.

User response: Review previous messages. Correct the problem and reissue the command.

ANR4775W  Command: Alert trigger message number is not defined.

Explanation: The specified message number does not refer to a defined alert trigger in the server database.

System action: The server skips the specified message number and continues to process the rest of the command.

User response: Reissue the command specifying a message number that is defined as an alert trigger. Issue the QUERY ALERTTRIGGER command to display a list of defined message numbers.

ANR4776I  Command: Administrator admin name for message number is action.

Explanation: The command has performed the action and added or deleted the administrator name successfully for the specified alert trigger.

System action: None.

User response: None.

ANR4777I  Command: Administrator admin name is already defined to alert message number.

Explanation: The command specifies an administrator name already defined to the alert.

System action: The server skips the administrator name and continues processing the command.

User response: None.

ANR4778E  Command: Alert alert identifier could not be found.

Explanation: The specified alert was not found in the server database.

System action: The specified alert identifier is skipped. The server continues to process the next alert identifier that is specified in the command.

User response: Reissue the command, specifying an alert identifier for an alert that has not been closed or deleted on the server. To display a list of existing alerts, issue the QUERY ALERTSTATUS command.

ANR4779E  Command: The requested update for alert id, alert identifier, is invalid. The alert is not changed.

Explanation: The specified update request is invalid or not correct for the alert. You can change the status of an alert from active to inactive or closed, or, from inactive to closed. If you are specifying the ASSIGNED or RESOLVEDBY parameters the value must be a registered administrator name that is not locked.

System action: The server does not process the command.

User response: Reissue the command specifying a valid status for the alert. Issue the QUERY ALERTSTATUS command to display a list of existing alerts and status.

ANR4780I  Node group node group name defined.

Explanation: A DEFINE NODEREGROUP command has created the node group indicated.

System action: None.

User response: None.
ANR4781E  Command: Invalid node group name - node group name.
Explanation:  Server processing for the command command fails because the node group name node group name specified does not contain valid characters or contains too many characters.
System action:  Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.
User response:  Issue the command again and specify a node group name that conforms to the name requirements. For information on the character and length specifications for valid node group names, refer to the Administrator’s Reference.

ANR4782E  Command: Description exceeds maximum length of length limit characters.
Explanation:  Server processing for the command command fails because the description specified is longer than the length limit number of characters allowed.
System action:  Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.
User response:  Issue the command again and specify a shorter description.

ANR4783E  Command: Node group node group name is not defined.
Explanation:  Server processing for the command command fails because the node group name node group name specified does not refer to a defined node group in the server database.
System action:  Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.
User response:  Issue the command again, specifying a node group name that is defined in the server database. For a list of the names of defined node groups in the server database, issue the QUERY NODEGROUP command.

ANR4784I  Node group node group name updated.
Explanation:  In response to the UPDATE NODEGROUP command, the node group node group name has been updated in the server database.
System action:  Server operation continues.
User response:  None.

ANR4785I  Node group node group name deleted.
Explanation:  In response to the DELETE NODEGROUP command, the node group node group name has been deleted from the server database.
System action:  Server operation continues.
User response:  None.

ANR4786E  Command: Node group node group name still contains at least one node.
Explanation:  Server processing for the delete command command fails because the node group node group name specified refers to a node group that still contains at least one node. A node group cannot be deleted if one or more client nodes are still assigned to the node group.
System action:  Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.
User response:  To remove remaining nodes from the node group, issue the DELETE NODEGROUPMEMBER command. After all nodes are removed, issue the delete command again.

ANR4787I  Command: number of nodes members defined in the node group node group name.
Explanation:  A DEFINE NODEGROUPMEMBER command has created the specified number of members in the indicated node group.
System action:  None.
User response:  None.

ANR4788I  Command: number of nodes members deleted from node group node group name.
Explanation:  A DELETE NODEGROUPMEMBER command has deleted the specified number of members from the indicated node group.
System action:  None.
User response:  None.

ANR4789I  Node node name associated to node group node group name.
Explanation:  This message is displayed in response to the DEFINE NODEGROUPMEMBER command. Node node name is associated with the node group name node group name.
System action:  Server operation continues.
User response:  None.
<table>
<thead>
<tr>
<th>ANR4790I</th>
<th>Node node name disassociated from node group node group name.</th>
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<tr>
<td><strong>Explanation:</strong></td>
<td>This message is displayed in response to the DELETE NODEGROUPMEMBER command. Node node name is no longer associated with the node group name node group name.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
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<tr>
<th>ANR4791E</th>
<th>Command: Node group node group name is already defined.</th>
</tr>
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<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>Server processing for the command command fails because the node group name node group name specified refers to a node group that is already defined in the server database.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Issue the command again, specifying a node group name that is not defined in the server database. For a list of the names of defined node groups in the server database, issue the QUERY NODEGROUP command.</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>ANR4792E</th>
<th>NDMP Tape server unable to initialize due to error in LISTENing on port Port</th>
</tr>
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<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The server failed in attempting to listen for session requests on the server's internal tape server.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Server operation continues, but NDMP operations may fail.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Ensure that the NDMPCONTROLPORT option defaults to or is set to a port number which is available in the system. The QUERY OPTION command can be used to determine the port number associated with the NDMPCONTROLPORT option. If this value requires change, the server will have to be restarted after setting the option in the server options file.</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>ANR4793E</th>
<th>NDMP Tape server is terminating due to an error in accepting a new session on Port Port</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The server failed in attempting to accept a new session on the server's internal tape server.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Server operation continues, but NDMP operations may fail.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Ensure that the NDMPCONTROLPORT option defaults to or is set to a port number which is available in the system. The QUERY OPTION command can be used to determine the port number associated with the NDMPCONTROLPORT option. If this value requires change, the server will have to be restarted after setting the option in the server options file.</td>
</tr>
</tbody>
</table>

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<tr>
<th>ANR4794E</th>
<th>The NAS file server File server name failed to open an NDMP data connection to the TSM tape server. Please verify that the file server is capable of outbound data connections.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During a NAS filer-to-server backup operation the data connection from the file server to the TSM server failed. This may occur because a firewall exists between the file server and the TSM server and is preventing outbound network connections on the file server. This may also occur if the network configuration of the system running the TSM server is reporting an invalid TCP/IP host address, for example &quot;127.0.0.1&quot;.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The TSM server backup operation on the file server fails.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Verify that the NAS file server is capable of starting outbound network connections to the TSM server. Verify that the file server supports NDMP 3-way operations. Verify that the network configuration of the system running the TSM server is reporting a valid TCP/IP host address.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR4795E</th>
<th>The TSM tape server failed to open an NDMP data connection to the NAS file server File server name.</th>
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</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During a NAS filer-to-server restore operation the data connection from the TSM server to the NAS file server failed. This may occur if the NAS file server is not properly configured to support NDMP 3-way restore operations.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The TSM server restore operation on the file server fails.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Verify that the file server supports NDMP 3-way restore operations.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR4796E</th>
<th>The TSM tape server failed to open a listening socket for accepting an NDMP data connection from a NAS file server using the network interface network host name.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>During a NAS filer-to-server backup operation the TSM tape server failed to open a TCP/IP socket in order to listen for NDMP data connections from a NAS file server. This may occur if the network interface chosen for NDMP data connections is not running or does not support IP Version 4.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The TSM server backup operation of the file server fails.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Verify that the network interface specified in the NDMPPREFDATAINTERFACE server option is properly configured and running.</td>
</tr>
</tbody>
</table>
ANR4797E Drive *driveName* is missing path information. Please check that all related paths are defined properly.

Explanation: A drive does not have sufficient path information for the operation to complete. This is typically due to a path not being defined.

System action: The server fails the storage operation.

User response: Verify that all applicable paths are defined for the drive. Also verify that the information contained in the paths is correct.

ANR4798E Server-free operation type operation had a target failure. Please refer to accompanying messages and Message Reference Manual for further information.

Explanation: The server-free operation encountered a target failure. This is typically due to one of three conditions: 1. A SCSI error was encountered in either the source, target or datamover. 2. There was a problem with the HBA issuing the SCSI command 3. An I-O error caused the operation to time out.

System action: The server does not complete the server-free operation and attempts to trigger a failover operation by the client.

User response: If a SCSI error was encountered, please refer to the sense information and correct for the indicated problem. If the HBA had an error while issuing command, please refer to the accompanying message for appropriate action. If the operation timed out, please verify the datamover operation and SAN connections.

ANR4799E The server-free operation type from device *source name* through data mover *data mover name* to device *target name* failed after issue.

Explanation: The server-free operation failed after issuing the SCSI command. This might be because the value for the HBA (host bus adapter) scatter-gather list is not large enough.

System action: The server does not perform the server-free operation. The server will attempt either a LAN-free or classic LAN operation.

User response: Perform either, or both, of the following steps to allow server-free operations:
- Change the serverfree batchsize to a lower value.
- Change the MAXIMUMSGLIST value for the HBA within the Windows registry, or run the DSMMAXSG utility to change the MaximumSGList value to 0x41(65) for all HBAs.

ANR4801E The server-free operation from device *source name* through data mover *data mover name* to device *target name* encountered an error. This sense information is typically generated by configuration issues, please verify the device definitions.

Explanation: The server-free process did not complete due to the target being unreachable.

System action: The server will fail the transfer.

User response: For the devices involved in this operation, please verify that the device and path definitions are correct. If this message has been issued after the definitions have been verified, please verify that the hardware is operating correctly and that the data mover can see both target devices.

ANR4802I Password expiration period for node *node name* has been reset.

Explanation: The node's password expiration period has been reset to the common password expiration period.

System action: None.

User response: None.

ANR4803I Password expiration period for administrator *administrator name* has been reset.

Explanation: The administrator's password expiration period has been reset to the common password expiration period.

System action: None.

User response: None.
ANR4804I  Node node name already uses the common password expiration period.

Explanation: The node’s password expiration period is currently set to the common password expiration period.

System action: None.
User response: None.

ANR4805I  Administrator administrator name already uses the common password expiration period.

Explanation: The administrator's password expiration period is currently set to the common password expiration period.

System action: None.
User response: None.

ANR4806W  The password expiration period for node name cannot be reset to the common password expiration period.

Explanation: The node's password expiration period could not be reset to the common password expiration period at this time.

System action: None.
User response: Attempt to reset the node's password expiration period at a later time.

ANR4807W  The server is unable to reset administrator name password expiration period to the common password expiration period.

Explanation: The administrator's password expiration period could not be reset to the common password expiration period at this time.

System action: None.
User response: Attempt to reset the node's password expiration period at a later time.

ANR4808W  The password expiration period for all administrators and nodes has been reset to the common password expiration period.

Explanation: All administrators not managed by a profile and nodes on this server have had their password expiration period reset to the common password expiration period.

System action: None.
User response: None.

ANR4809I  Audit command: Node group node group name has the same name as a node. The node group entry must be corrected.

Explanation: During Audit processing, a node group was found with the same name as an existing node. Because FIX=NO has been specified for the command, the node group entry is not corrected.

System action: Audit processing continues.
User response: None.

ANR4810I  Audit command: Nodeid nodeid found for missing node group node group name. The node group entry must be corrected.

Explanation: During Audit processing, a node was found for a node group that does not exist. Because FIX=NO has been specified for the command, the node group entry is not corrected.

System action: Audit processing continues.
User response: None.

ANR4811I  Audit command: Nodeid Node Id in node group node group name does not exist. The node group entry must be corrected.

Explanation: During Audit processing, a node was found in a node group, but the node does not exist. Because FIX=NO has been specified for the command, the node group entry is not corrected.

System action: Audit processing continues.
User response: None.

ANR4812I  Audit command: Node group node group name has the same name as a node. The node group entry will be corrected.

Explanation: During Audit processing, a node group was found with the same name as an existing node. Because FIX=YES has been specified for the command, the node group entry is deleted.

System action: Audit processing continues.
User response: None.
Audit command: Nodeid nodeid found in missing node group node group name. The node group entry will be corrected.

Explanation: During Audit processing, a node was found for a node group that does not exist. Because FIX=YES has been specified for the command, the node group entry is deleted.

System action: Audit processing continues.
User response: None.

Audit command: Nodeid Node Id in node group node group name does not exist. The node group entry will be corrected.

Explanation: During Audit processing, a node was found in a node group, but the node does not exist. Because FIX=YES has been specified for the command, the node group entry is deleted.

System action: Audit processing continues.
User response: None.

Audit command: Nodeid nodeid found in inconsistent node group node group name. The node group entry will be corrected.

Explanation: During Audit processing, a node was found in a node group that is inconsistent. Because FIX=YES has been specified for the command, the node group entry is deleted.

System action: Audit processing continues.
User response: None.

Command: Administrator admin is not allowed to issue this command while the system date is suspect. Correct the system date or use the ACCEPT DATE command to establish the current date as valid.

Explanation: The server has noted that the current system date is suspect. An admin client session may issue the ACCEPT DATE command to establish the current date as valid. No other commands are allowed until the system date is corrected or the current date is established as valid.

System action: The server will fail the command.
User response: Reissue the command, specifying both creation date and creation time, or neither of them.

Command: The creation date and creation time are both required to be specified.

Explanation: The server-free process did not complete due to the target being unreachable.

System action: The server will fail the command.
User response: Reissue the command, specifying both creation date and creation time, or neither of them.

Command: The creation date - date is not valid

Explanation: The specified command has been issued with an invalid creation date.

System action: Server operation continues, but the command is not processed.
User response: Issue the command with a valid creation date.

Command: The creation time date is not valid.

Explanation: The specified command has been issued with an invalid creation time.

System action: Server operation continues, but the command is not processed.

- Scheduling problems
- Event record problems
- Password expiration problems
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<tr>
<th>ANR4823E</th>
<th>ANR4830E</th>
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<tbody>
<tr>
<td><strong>User response:</strong> Issue the command with a valid creation time.</td>
<td><strong>User response:</strong> Make sure a correct TOC object is specified.</td>
</tr>
<tr>
<td>ANR4823E The loading or reading of a table of contents for node node name, file space file space name failed because sufficient memory is not available.</td>
<td>ANR4827E The loading of a table of contents for node node name, file space file space name failed because a thread resource not available.</td>
</tr>
<tr>
<td><strong>Explanation:</strong> The server ends a table of contents (TOC) loading or reading for the specified node and file space because sufficient memory is not available on the server.</td>
<td><strong>Explanation:</strong> The server ends a table of contents (TOC) loading or reading for the specified node and file space because sufficient memory is not available for starting additional processes on the server.</td>
</tr>
<tr>
<td><strong>System action:</strong> The TOC loading or reading is ended and server operation continues.</td>
<td><strong>System action:</strong> The TOC loading is ended and server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong> See the documentation for the operating system about how to increase memory for an application.</td>
<td><strong>User response:</strong> See the documentation for the operating system about how to increase memory for an application.</td>
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<tr>
<th>ANR4824E</th>
<th>ANR4828E</th>
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<tbody>
<tr>
<td>The loading or reading of a table of contents for node node name, file space file space name failed because of a lock conflict.</td>
<td>The loading or reading of a table of contents for node node name, file space file space name failed because an internal server error was detected.</td>
</tr>
<tr>
<td><strong>Explanation:</strong> The server ends a table of contents (TOC) loading or reading for the specified node and file space because the requested resource is already in use by another process.</td>
<td><strong>Explanation:</strong> The server ends a table of contents (TOC) loading or reading for the specified node and file space because an internal logic error is detected.</td>
</tr>
<tr>
<td><strong>System action:</strong> The TOC loading or reading is ended and server operation continues.</td>
<td><strong>System action:</strong> The TOC loading or reading is ended and server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong> Try the operation again at a later time.</td>
<td><strong>User response:</strong> Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.</td>
</tr>
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</table>

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<tr>
<th>ANR4825E</th>
<th>ANR4829E</th>
</tr>
</thead>
<tbody>
<tr>
<td>More than one table of contents is requested but they are not for the same node node name and same file space file space name.</td>
<td>The loading or reading of a table of contents for node node name, file space file space name failed. The transaction is stopped.</td>
</tr>
<tr>
<td><strong>Explanation:</strong> The server ends a table of contents (TOC) loading for the requested TOCs. The requested TOCs have to be for the same file space in the same node name.</td>
<td><strong>Explanation:</strong> An error was detected during transaction commit. This message should be preceded by other messages that give additional information about the failed transaction.</td>
</tr>
<tr>
<td><strong>System action:</strong> The TOC loading or reading is ended and server operation continues.</td>
<td><strong>System action:</strong> The table of contents (TOC) loading or reading is ended and server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong> Try the TOC loading specifying the TOCs in the same node for the same filesystem.</td>
<td><strong>User response:</strong> Check for additional messages and eliminate the condition that caused the failed transaction. If the error cannot be isolated and resolved, contact your service representative.</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>ANR4826E</th>
<th>ANR4830E</th>
</tr>
</thead>
<tbody>
<tr>
<td>The object for the table of contents is not found in the server for node node name, file space file space name.</td>
<td>The loading or reading of a table of contents for node node name, file space file space name failed. Insufficient mount points are available to satisfy the request.</td>
</tr>
<tr>
<td><strong>Explanation:</strong> The server ends a table of contents (TOC) loading or reading for the object in the specified node and file space, because the server cannot find the object for the TOC.</td>
<td><strong>Explanation:</strong> The TOC loading or reading is ended and server operation continues. The TOC object could be deleted from the server during server expiration or volume deletion operation.</td>
</tr>
<tr>
<td><strong>System action:</strong> The TOC loading or reading is ended and server operation continues.</td>
<td><strong>User response:</strong> Check for additional messages and eliminate the condition that caused the failed transaction. If the error cannot be isolated and resolved, contact your service representative.</td>
</tr>
</tbody>
</table>
Explanation: The server was unable to allocate sufficient mount points to read the table of contents (TOC).

System action: The TOC loading or reading is ended and server operation continues.

User response: If necessary, make more mount points available.

ANR4831E  The loading or reading of a Table of Contents for node node name, file space file space name failed. The input volume is already in use.
Explanation: During the TOC loading or reading operation, the requested input volume is already in use by another process.
System action: The TOC loading or reading is ended and server operation continues.
User response: Try the operation again at a later time.

ANR4832E  The loading or reading of a table of contents for node node name, file space file space name failed. The required volume was not mounted.
Explanation: During the table of contents (TOC) loading or reading operation, a required volume cannot be mounted. The mount request may have been canceled.
System action: The TOC loading or reading is ended and server operation continues.
User response: Try the TOC loading or reading again and make sure the necessary volumes are accessible.

ANR4833W  The loading or reading of a table of contents for node node name, file space file space name failed. The file was deleted from server storage.
Explanation: During the table of contents (TOC) loading or reading operation the file has been deleted from server storage by another process before the loading or reading is complete.
System action: The TOC loading or reading is ended and server operation continues.
User response: Contact your administrator to find out if DELETE FILESPACE, DELETE VOLUME, or inventory expiration processes are running; these processes can delete files in server storage during TOC loading or reading.

ANR4834E  The loading or reading of a table of contents for node node name, file space file space name failed. The data transfer is interrupted.
Explanation: The server ends a table of contents (TOC) loading or reading for the specified node and file space because data transfer to or from data storage was interrupted by an external event.
System action: The TOC reading is ended and server operation continues.
User response: Examine the messages issued prior to this message to determine why the data transfer was interrupted. Attempt the operation again if the problem can be resolved.

ANR4835E  The reading of a table of contents for node node name, file space file space name failed. A data integrity error was detected.
Explanation: The server stops reading a table of contents (TOC) for the specified node and file space because a data integrity has been encountered on the server.
System action: The TOC reading is ended and server operation continues.
User response: Examine the messages issued prior to this message and contact your service representative.

ANR4836E  The reading of a table of contents for node node name, file space file space name failed. There was an error in reading from a device.
Explanation: The server ends a table of contents (TOC) reading for the specified node and file space because an I/O error has been encountered by the server in reading from a device.
System action: The TOC reading is ended and server operation continues.
User response: Examine the messages issued prior to this message that specify the device that is failing. The server may need to be shut down with a HALT command to correct the hardware problem.

ANR4837I  The loading for the table of contents for node node name, file space file space name started.
Explanation: The loading for the table of contents (TOC) in the specified node and file space has been started.
System action: The server operation continues.
User response: None.
ANR4838I The loading for the table of contents for node node name, file space file space name was successful: total entries loaded number of entries.

Explanation: The loading for the table of contents (TOC) in the specified node and file space has been successfully finished.

System action: The server operation continues.

User response: None.

ANR4839E The loading for the table of contents for node node name, file space file space name failed. See previous messages.

Explanation: The loading for the table of contents (TOC) in the specified node and file space has failed.

System action: The TOC loading is ended and the server operation continues.

User response: Examine the messages issued prior to this message to determine the source of the problem.

ANR4840I The loading for the table of contents for node node name, file space file space name was cancelled.

Explanation: The loading for the table of contents (TOC) in the specified node and file space has been cancelled by the user.

System action: The TOC loading is ended and the server operation continues.

User response: None.

ANR4841E The loading for the table of contents for node node name, file space file space name failed. An invalid object type detected.

Explanation: The loading for the table of contents (TOC) in the specified node and file space failed because the object type given is different than the one in the server database.

System action: The TOC loading is ended and the server operation continues.

User response: Re-try the Table of Contents loading, specifying a valid object type.

ANR4842E The loading of a table of contents for node node name failed. The file space name was not found.

Explanation: The server ends a table of contents (TOC) loading for the specified node because the server could not find the file space name for the TOC object to be loaded.

System action: The TOC loading is ended and server operation continues.

ANR4843I Command: Displayed number of objects objects, number of errors errors were encountered.

Explanation: QUERY TOC has completed. The number of objects displayed and the error count are displayed.

System action: The QUERY TOC command ends and server operation continues.

User response: If the error count is not equal to 0, examine the object name displayed. The error count represents the number of objects that have their names displayed as ‘...’. This is because the conversion from a UTF-8 to a local code page for the file name failed. If this is the case, re-issue the QUERY TOC command with FORMAT=DETAILED. The object name will be displayed in a hexadecimal format when the FORMAT=DETAILED is specified. The file may contain an invalid character and may need to be renamed. A new backup copy has to be made for the renamed file so that the file can be displayed correctly and restored later.

ANR4844I Command: The specified table of contents for node node name, file space file space name contains no entries.

Explanation: The specified table of contents (TOC) exists, but it is empty. No entries are displayed.

System action: Server operation continues.

User response: None.

ANR4845E The writing of the of the table of contents for node node name, file space file space name failed: a directory path exceeds max characters bytes in length.


Explanation: During a backup of a NAS filesystem, the server received a file history record from the NAS device with a directory path length which exceeded the maximum length supported by ITSM. The server is unable to create a TOC for a NAS filesystem which contains directory that is longer than 1024 bytes. If the TOC parameter on the BACKUP NODE command is PREFERRED, the backup continues. If the TOC parameter was YES, the backup fails.
**System action:**  The TOC creation is ended and server operation continues.

**User response:**  If TOC=YES was specified on the BACKUP NODE command, retry the command with TOC=NO.

---

**ANR4846E**  
Operation process process ID terminated - The server is unable to create a table of contents for node node name, file space file space.

**Explanation:**  While attempting to create a table of contents (TOC) for the specified node and file space in the indicated TOC destination pool, a failure occurred.

**System action:**  The operation fails because TOC creation is set to YES.

**User response:**  Look for previous messages giving a specific reason for the failure. Take corrective action as appropriate.

---

**ANR4847I**  
Audit command: Invalid nodeid nodeid found during email address audit. The email entry must be corrected.

**Explanation:**  During Audit processing, a non-existent nodeid was found associated with an email address. Because FIX=NO has been specified for the command, the email address entry is not corrected.

**System action:**  Audit processing continues.

**User response:**  None.

---

**ANR4851I**  
Audit command: An email address associated with node node name is invalid. The email entry will be corrected.

**Explanation:**  During Audit processing, an invalid email address was found for the specified node. Because FIX=YES has been specified for the command, the email address entry is deleted.

**System action:**  Audit processing continues.

**User response:**  None.

---

**ANR4852I**  
Audit command: Invalid adminid adminid found during email address audit. The email entry must be corrected.

**Explanation:**  During Audit processing, a non-existent adminid was found associated with an email address. Because FIX=NO has been specified for the command, the email address entry is not corrected.

**System action:**  Audit processing continues.

**User response:**  None.

---

**ANR4853I**  
Audit command: An email address associated with administrator administrator is invalid. The email entry will be corrected.

**Explanation:**  During Audit processing, an invalid email address was found for the specified administrator. Because FIX=NO has been specified for the command, the email address entry is not corrected.

**System action:**  Audit processing continues.

**User response:**  None.
ANR4855I Command command subcommand is no longer supported and there is no direct replacement for this capability.

Explanation: The functions that were provided by this command are no longer necessary.

System action: System operation continues.

User response: Review information about product changes in the IBM Tivoli Storage Manager Information Center.

ANR4856I Command command subcommand is no longer supported. The following commands provide similar functions: newcommand. See the Tivoli Storage Manager Information Center for details on commands, or issue HELP command for the replacement commands.

Explanation: The functions formerly provided by this command are now provided by one or more new commands

System action: System operation continues.

User response: Review information about product changes in the IBM Tivoli Storage Manager Information Center.

ANR4857I Command command subcommand is no longer supported. The following options provide similar functions: newoptions. See the Tivoli Storage Manager Information Center for details on options or issue the HELP command for the replacement options.

Explanation: The functions formerly provided by this command are now provided by one or more new options

System action: System operation continues.

User response: Review information about product changes in the IBM Tivoli Storage Manager Information Center.

ANR4858I Option option name is no longer supported and there is no direct replacement for this capability.

Explanation: The functions formerly provided by this option are no longer necessary

System action: System operation continues.

User response: Review information about product changes in the IBM Tivoli Storage Manager Information Center.

ANR4859I Parameter parameter name on the command command name is no longer supported.

Explanation: The function that was provided by this parameter is no longer necessary

System action: System operation continues.

User response: Review information about product changes in the IBM Tivoli Storage Manager Information Center.

ANR4860W The correct value of ARCHRETENTION for domain domain name will not be sent to the managed servers. Please upgrade the managed servers to be at least the same level as that of the configuration manager.

Explanation: The configuration manager has an ARCHRETENTION value that is greater than the managed server can manage. This is because the managed server is at a lower level than the configuration manager. The value of the ARCHRETENTION for the indicated domain is set to the maximum value that the managed server can process.

System action: The server operation continues.

User response: To correctly send the value of the ARCHRETENTION to the managed servers, please upgrade the managed servers to at least the same level as that of the configuration manager.

ANR4861W The correct value of RETVER for the archive copy group domain name policy set name mgmt class name cg name will not be sent to the managed servers. Please upgrade the managed servers to at least the same level as that of the configuration manager.

Explanation: The configuration manager has a RETVER value that is greater than what the managed server can process. This is because the managed server is at a lower level than the configuration manager. The value of the RETVER for the indicated copy group is set to NOLIMIT in the managed server.

System action: The server operation continues.

User response: To correctly send the value of RETVER for the copy group to the managed servers, please upgrade the managed servers to at least the same level as that of the configuration manager.
ANR4862W  The value of the ACTIVEDESTINATION parameter for domain domain name will not be sent to the managed server server name because the release level of the managed server is earlier than the release level of the configuration manager.

Explanation: The configuration manager has a value for the ACTIVEDESTINATION parameter that contains active-data storage pool names that cannot be managed by the managed server. The problem is that the release level of the managed server is earlier than release level of the configuration manager.

System action: The server operation continues.

User response: Upgrade the managed server to the same release level or later than that of the configuration manager.

ANR4863W  The value of the ACTIVEDESTINATION parameter for domain domain name that was received from the configuration manager will not be used on the managed server.

Explanation: The received value of the ACTIVEDESTINATION parameter contains active-data storage pool IDs that cannot be managed by the managed server. The problem is that the release level of the configuration manager is earlier than the release level of the managed server.

System action: The server operation continues.

User response: Upgrade the configuration manager to the same release level or later than that of the managed server.

ANR4864E  The module name support module was not loaded.

Explanation: The indicated support module was not loaded.

System action: The server cannot perform functions that require this module.

User response: Restart the Tivoli Storage Manager server and retry the operation. If the support module does not load, contact your service representative.

ANR4865W  The server name has been changed. Windows clients that use "passwordaccess generate" may be unable to authenticate with the server.

Explanation: After the name of a Tivoli Storage Manager server is changed, the generated password on Windows backup-archive clients is not usable. The password is generated on backup-archive clients that use "passwordaccess generate". The generated password is stored in the Windows registry in a key that contains the server name, such as the following:
HKLM\SOFTWARE\IBM\ADSM\CurrentVersion\BackupClient\Nodes< NODENAME>\<SERVERNAME>\Password If the backup-archive client is not able to authenticate with the Tivoli Storage Manager server then scheduled operations for that client will not run.

System action: Until the password is reset, the Windows backup-archive clients that use "passwordaccess generate" are unable to authenticate with the Tivoli Storage Manager server.

User response: Either change the Tivoli Storage Manager server name back to the original name, or reset the password on the server using the UPDATE NODE command to a known password and then use dsm, dsmc, or dsmcutil to manually set the password on all Windows backup-archive clients that use "passwordaccess generate".

ANR4866I  Node node name is not a member of a domain that is configured to use active data pool active data pool name.

Explanation: The primary storage pool to which the client node will write data is capable of using an active data pool. However the client node is not a member of a domain that is authorized to write to the active data pool.

System action: Data from the node is not written to the active data pool.

User response: If the client node data must be written to an active data pool, move the client node to a domain that is authorized for this action or update the current domain for active data pool processing.

ANR4867I  Session session number for node node name (client platform) terminated - session retry failed.

Explanation: The specified client session is ended by the server because a previous error has been detected on the server. Retry attempts were not able to resume the session.

System action: The session is ended and server operation continues.

User response: If the session is a proxied LAN-Free session for a storage agent, this error might be the result of a mount point or volume preemption on the storage agent. Review the messages logged by the storage agent to determine if a storage agent action caused the error. Review the messages logged by this session to determine alternate causes.
**ANR4868I** Canceling the Database Backup session

*session number for node node name is not allowed.*

**Explanation:** The server cannot cancel the session that is specified in the CANCEL SESSION command.

**System action:** Server operations continue.

**User response:** Database Backup sessions cannot be cancelled with the CANCEL SESSION command. Issue the CANCEL PROCESS command to terminate the Database Backup operation.

---

**ANR4870W** Audit command: Storage pool storage pool name, specified as a Table of Contents (TOC) destination for copy group copy group name in management class management class name, policy set set name, domain domain name, does not exist.

**Explanation:** A database audit process finds a storage pool specified for the Table of Contents (TOC) destination of the specified copy group that is not defined in the server database. If this copy group is used in an active policy set, then the NDMP backup with a TOC creation operation may fail when attempting to put TOC entries in the destination.

**System action:** Audit processing continues.

**User response:** After the audit command completes, use the DEFINE STGPOOL command to define the missing storage pool, or the UPDATE COPYGROUP command to update the copy group to refer to an existing storage pool.

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**ANR4871I** Collocation group collocation group name defined.

**Explanation:** A DEFINE COLLOCGROUP command has created the collocation group indicated.

**System action:** None.

**User response:** None.

---

**ANR4872E** Command: Invalid collocation group name - collocation group name.

**Explanation:** Server processing for the command command fails because the collocation group name collocation group name specified does not contain valid characters or contains too many characters.

**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** Issue the command again and specify a collocation group name that conforms to the name requirements. For information on the character and length specifications for valid collocation group names, refer to the Administrator’s Reference.

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**ANR4873E** Command: Collocation group description exceeds maximum length of length limit characters.

**Explanation:** Server processing for the command command fails because the collocation group description specified is longer than the length limit number of characters allowed.

**System action:** Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

**User response:** Issue the command again and specify a shorter collocation group description.

---

**ANR4874I** Collocation group collocation group name updated.

**Explanation:** In response to the UPDATE COLLOCGROUP command, the collocation group collocation group name has been updated in the server database.

**System action:** Server operation continues.

**User response:** None.

---

**ANR4875I** Collocation group collocation group name deleted.

**Explanation:** In response to the DELETE COLLOCGROUP command, the collocation group collocation group name has been deleted from the server database.

**System action:** Server operation continues.

**User response:** None.

---

**ANR4876W** Command: Node node name cannot be processed because it is not registered.

**Explanation:** This command cannot be processed for the indicated node. The node is not registered. The other nodes can be processed if specified by the command.

**System action:** The indicated node is not processed, but other nodes can be processed if specified by this command.

**User response:** If the node name was entered incorrectly, issue the command again with the correct node name.
ANR4877E  Command: Collocation group collocation group name is not defined.

Explanation:  Server processing for the command command fails because the collocation group name collocation group name specified does not refer to a defined collocation group in the server database.

System action:  Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response:  Issue the command again, specifying a collocation group name that is defined in the server database. For a list of the names of defined collocation groups in the server database, issue the QUERY COLLOCGROUP command.

ANR4882E  Command: Collocation group collocation group name still contains at least one node.

Explanation:  Server processing for the delete command command fails because the collocation group collocation group name specified refers to a collocation group that still contains at least one node. A collocation group cannot be deleted if one or more client nodes are still assigned to the collocation group.

System action:  Database changes for the command are rolled back and server operation continues. The command is not successful in changing the server database.

User response:  To remove remaining nodes from the collocation group, issue the DELETE COLLOC MEMBER command. After all nodes are removed, issue the delete command again.

ANR4883I  Node node name associated to collocation group collocation group name.

Explanation:  This message is displayed in response to the DEFINE COLLOC MEMBER command. Node node name is associated with the collocation group name collocation group name.

System action:  Server operation continues.

User response:  None.

ANR4884W  Node node name already associated to collocation group collocation group name.

Explanation:  This message is displayed in response to the DEFINE COLLOC MEMBER command. Node node name is already associated with the collocation group name collocation group name. The indicated node is not processed. The other nodes can be processed if specified by the command.

System action:  Server operation continues.

User response:  If the node name was entered incorrectly, issue the command again with the correct node name.

ANR4885E  Command: Either node name or collocation group name must be specified.

Explanation:  The indicated command failed because neither node name nor collocation group name is
ANR4886E  ANR4893I

specified or the node name and the collocation group name both are specified.

System action: The indicated command fails. The server operation continues.

User response: Issue the command again, by specifying either the node name or the collocation group name.

ANR4886E  Audit command: A missing or incorrect collocation group id has been detected for node node id.

Explanation: A database audit process detects missing or incorrect collocation group identifier for the specified node member.

System action: Audit processing continues.

User response: Issue the audit command again, and specify FIX=YES so that the error can be corrected.

ANR4887E  Audit command: A missing or incorrect collocation group id has been detected for node node id - it will be corrected.

Explanation: A database audit process detects missing or incorrect collocation group identifier for the specified node member. Because FIX=YES has been specified for the audit command, the error will be corrected.

System action: Audit processing continues.

User response: None.

ANR4888E  Audit command: Collocation group global high-water mark does not match the identifier in use.

Explanation: A database audit process finds the attribute used to track collocation group identifiers are incorrect.

System action: Audit processing continues.

User response: Issue the audit command again, and specify FIX=YES so that the error can be corrected.

ANR4889E  Audit command: Collocation group global high-water mark does not match the identifiers in use; it will be corrected.

Explanation: A database audit process finds the attributes used to track collocation group identifiers are incorrect. Because FIX=YES has been specified for the audit command, the attributes will be corrected.

System action: Audit processing continues.

User response: None.

ANR4901  Audit command: Inventory name object (name.ID) belonging to node NodeId and filesystem FilespaceId has a missing database element. It will be corrected if FIX=YES was specified for the DSMSERV AUDITDB command.

Explanation: A database audit process found an inventory name object that is incomplete. If FIX=YES has been specified for the command, the inventory entry will be corrected.

System action: Audit processing continues.

User response: None.

ANR4911  Audit command: Inventory name reverse lookup object (name.ID) belonging to node NodeId and filesystem FilespaceId has a missing database element. It will be corrected if FIX=YES was specified for the DSMSERV AUDITDB command.

Explanation: A database audit process found an inventory name object that is incomplete. If FIX=YES has been specified for the command, the inventory entry will be corrected.

System action: Audit processing continues.

User response: None.

ANR4921  Audit command: Inventory name object (name.ID) belonging to node NodeId and filesystem FilespaceId has a missing parent element. If FIX=YES was specified for the DSMSERV AUDITDB command, the name entry will be related to the root directory for the file space.

Explanation: A database audit process found an inventory name object that has no parent entry. To ensure that the object is restorable, the entry will be linked to the root directory for the file space if FIX=YES was specified for the DSMSERV AUDITDB command. The user should query the server to determine which objects have been moved to the root directory. The next backup operation from the client will create objects with the correct path name.

System action: Audit processing continues.

User response: None.

ANR4931  Audit command: An inventory backup object corresponding to name ID nameId belonging to node NodeId and filesystem FilespaceId has a missing name. If FIX=YES was specified for the DSMSERV AUDITDB command, the name entry will be related to the root directory as object name for the file space.

System action: Audit processing continues.

User response: None.
**ANR4894I** Audit command: Auditing inventory names.

**Explanation:** This message is displayed during a database audit and indicates that server information about client backup object names is currently being examined by the database audit process.

**System action:** Audit processing continues.

**User response:** None.

**ANR4895E** Deduplicated bitfile bitfile id on volume volname has invalid links.

**Explanation:** While reading a deduplicated bitfile, the server detected invalid deduplication information.

**System action:** If the operation is a server data movement, the inconsistent bitfile is marked invalid and skipped, but the operation continues. If, however, the operation is a client restore or retrieve, the bitfile is marked as damaged.

**User response:** If the volume is in a primary storage pool, run a RESTORE VOLUME command to fix the invalid bitfile. If the volume is in a copy storage pool, run a DELETE VOLUME DISCARD DATA=YES command to delete the volume, then backup the primary storage pool again.

To see what files may have been marked as damaged, use the QUERY CONTENT DAMAGED=YES command.

**ANR4896I** Inventory client file expiration is restarting process process num from startdate.

**Explanation:** The server is in the process of restarting a previously cancelled expiration process.

**System action:** The server will continue expiring eligible objects.

**User response:** None.

**ANR4897I** Database restore of operation operation ID will use device class device class name and attempt to use number of streams streams.

**Explanation:** The server restore database process for the operation ID will be performed for the device class and number of streams indicated.

**System action:** The server performs the database restore operation.

**User response:** None.

**ANR4898W** This is a pre-release server_version Tivoli Storage Manager server (driver driver_number, build build_id). It is not supported for commercial or production use.

**Explanation:** The Tivoli Storage Manager server is running a pre-release program. The program can be used to test or evaluate new features, but it can neither be used for any commercial purpose nor placed into production.

**System action:** No action is taken.

**User response:** If the Tivoli Storage Manager server is being used to evaluate new features, no action is required. If the server will be used in a production environment or for a commercial purpose, contact your IBM sales representative or authorized business partner to obtain a fully-supported, released version.

**ANR4899E** The server database was formatted using a pre-release server_version Tivoli Storage Manager server (driver driver_number, build build_id). The server is not supported for commercial or production use.

**Explanation:** The server database was created using an unsupported, pre-release version of the Tivoli Storage Manager server. The server can be used to test or evaluate new features, but it can neither be used for any commercial purpose nor placed into production.

**System action:** No action is taken.

**User response:** If the server is being used to evaluate new features, no action is required. If the server will be used in a production environment or for a commercial purpose, remove the database. Create a new database using a fully-supported, released version.

**ANR4900W** EMC Centera Software Development Kit (SDK) libraries failed to load or are missing.

**Explanation:** The libraries are required to ensure that the Tivoli Storage Manager server can operate devices with the defined CENTERA device class.
ANR4911E  File name is too long, the server is unable to build a table of contents for node node name, file space file space name, file name file name, node identifier node id, parent node identifier parent node id. Table of contents creation fails.

Explanation: The file name must be 512 bytes or less. If the size is larger than 512 bytes, the Tivoli Storage Manager server cannot create a table of contents (TOC) for a Network Appliance file server.

System action: The TOC creation fails.
User response: Rename the file with a shorter name. For more information about the file name or the node identifier, including locating and correcting the file or directory, refer to Network Appliance documentation. Once the problem has been corrected, try the operation again.

ANR4912I  Database restore type byte count.

Explanation: A database restore is in progress.

System action: None.
User response: None.

ANR4913I  Database restore completed for restore to date date time. No backup volume found.

Explanation: A point-in-time database restore has been completed without finding any backup volumes.

System action: None.
User response: None.

ANR4914I  Point-in-time database restore completed, no backup volume found for restore date date time.

Explanation: A point-in-time database restore with the TODATE parameter specified has completed without finding any backup volumes.

System action: None.
User response: None.

ANR4915I  Point-in-time database restore with snapshot completed, no snapshot volume found for restore date date time.

Explanation: A snapshot database restore with the TODATE parameter specified has completed without finding any snapshot volumes.

System action: None.
User response: None.

ANR4916I  Starting point-in-time database restore snapshot to date date time.

Explanation: A point-in-time database restore with the TODATE parameter and source snapshot specified has begun. When this restore is complete, the database will be committed to the point in time of this backup.

System action: None.
User response: None.

ANR4917I  Point-in-time database restore with snapshot complete, restore date date time.

Explanation: A point-in-time database restore with the TODATE parameter specified has completed. The database is committed to the point in time of this backup, which may be different than the TODATE specified. If this is the case, an additional message will be displayed.

System action: None.
User response: None.

ANR4918W  The filespace filespace name (filespace id) for node node name will not be included in the backupset backupset name (data type data type) because it was not created by the backup/archive client and cannot be restored from the backupset.

Explanation: Data from the filespace will not be included in the backupset because the filespace was not created by the backup/archive client and it cannot be restored from the backupset.

System action: The filespace is skipped.
User response: None.

ANR4919W  The filespace filespace name (filespace id) for node node name will not be included in the backupset backupset name (data type data type) because it is not a supported application type.

Explanation: Data from the filespace will not be included in the backupset because the filespace does not belong to a supported application type.

System action: The filespace is skipped.
User response: None.
ANR4920E  Command: Administrator administrator name is not authorized to issue this command for storage pool pool name.

Explanation: The specified administrator has entered the indicated command, but this administrator does not have the proper authority necessary to run the command for the indicated pool. The indicated pool could be the storage pool being migrated or being reclaimed, or the storage pool to which files are migrated or reclaimed.

System action: The server does not process the command.

User response: Issue the command from a properly authorized administrator ID, or contact the system administrator to have additional authority granted to the current administrator ID.

ANR4921E  Command: Primary storage pool pool name does not have a target pool.

Explanation: The specified primary storage pool does not have a target storage pool for the specified operation.

System action: The server does not process the command.

User response: Define a target storage pool for the pool specified on the command and re-issue the command.

ANR4922E  Command: Migration is currently running for the storage pool pool name.

Explanation: The migration operation is already running for the specified storage pool.

System action: The server does not process the command.

User response: Re-issue the command when migration is not running.

ANR4923E  Command: Reclamation is currently running for the storage pool pool name.

Explanation: The reclamation operation is already running for the specified storage pool.

System action: The server does not process the command.

User response: Re-issue the command when reclamation is not running.

ANR4924E  Command: Migration is not needed for the storage pool pool name.

Explanation: Either the current percentage utilization of the specified storage pool is less than the low migration threshold or the number of volumes containing data has not reached the low migration threshold.

System action: The server does not process the command.

User response: Re-issue the command when migration is needed for the pool.

ANR4925W  Migration process process ID terminated for storage pool storage pool name - duration exceeded.

Explanation: During migration for the indicated storage pool, a process performing the migration has been terminated because the migration duration has exceeded.

System action: The migration process is terminated.

User response: None.

ANR4926W  Migration terminated for volume volume name - duration exceeded.

Explanation: During migration for the indicated volume, the duration for the migration has been exceeded.

System action: The volume migration is terminated.

User response: None.

ANR4927W  Reclamation terminated for volume volume name - duration exceeded.

Explanation: During reclamation for the indicated volume, the duration for the reclamation has been exceeded.

System action: The volume reclamation is terminated.

User response: None.

ANR4928E  Command: Reclamation is not allowed for the storage pool pool name.

Explanation: The high reclamation threshold (percentage) is set to 100 to prevent reclamation for the specified storage pool.

System action: The server does not process the command.

User response: Re-issue the command when migration is needed for the pool.

ANR4929E  Command: The storage pool pool name is not a sequential-access pool.

Explanation: The specified storage pool is not a sequential-access storage media for the specified operation. The specified operation only applies to a sequential-access storage media.
ANR4930I  Reclamation process process ID started for primary storage pool storage pool name automatically or manually, threshold=threshold value, duration=duration.

Explanation: Because the high reclamation threshold for the storage pool shown has been exceeded, a process has been started to reclaim files from the storage pool. Note: a duration value of None means that the duration is not specified and hence the reclamation runs without duration.

System action: Data is moved from this storage pool to the same pool or to the reclaim storage pool.

User response: None.

ANR4931I  Reclamation process process ID started for copy storage pool storage pool name automatically or manually, threshold=threshold value, offsiteRclmLimit=limit value, duration=duration.

Explanation: Because the high reclamation threshold for the storage pool shown has been exceeded, a process has been started to reclaim files from the storage pool. Note: a duration value of None means that the duration is not specified and hence the reclamation runs without duration.

System action: Data is moved from this storage pool to the same pool or to the reclaim storage pool.

User response: None.

ANR4932I  Reclamation process process ID ended for storage pool storage pool name.

Explanation: A reclamation process for the named storage pool ends. This action can occur because the threshold for the storage pool has been reached or because the duration has been exceeded.

System action: None.

User response: None.

ANR4933I  Space reclamation ended for offsite volume volume name.

Explanation: Space reclamation for the named offsite volume is complete.

System action: None.

User response: None.

ANR4934I  Offsite reclamation ended for storage pool pool name, Number Processes number of processes, Number Volumes number of volume reclaimed, Elapsed Time seconds seconds.

Explanation: Offsite reclamation ended successfully.

System action: None.

User response: None.

ANR4935I  The migration of the primary pool name primary storage pool is complete. Number of files migrated: number of migrated files. Number of bytes migrated: number of migrated bytes. Number of deduplicated migrated bytes: number of migrated dedup bytes. Number of unreadable files: number of unreadable files.

Explanation: Migration processing for the specified storage pool ended with the displayed results.

System action: None.

User response: Examine previous messages to determine whether all migration processes ended successfully.

ANR4936I  The reclamation of the pool name storage pool is complete. Number of files reclaimed: number of reclaimed files. Number of reclaimed bytes: number of reclaimed bytes. Number of reclaimed deduplicated bytes: number of reclaimed dedup bytes. Number of reconstructed files: number of reconstructed files. Number of unreadable files: number of unreadable files.

Explanation: Reclamation processing for the specified storage pool ended with the displayed results.

System action: None.

User response: Examine previous messages to determine whether all reclamation processes ended successfully.

ANR4937E  Command: Reclamation will not run - delete filespace is currently running.

Explanation: A delete filespace operation is running. To Avoid the resource contention, reclamation will not run when delete filespace is running.

System action: The server does not process the command.

User response: Re-issue the command when delete filespace is not running.
ANR4938E  Command: Administrator administrator name is not authorized to issue this command for target storage pool pool name.

Explanation: The specified administrator has entered the indicated command, but this administrator does not have the proper authority necessary to run the command for the indicated pool. The indicated pool is the pool that to which files are migrated or reclaimed.

System action: The server does not process the command.

User response: Issue the command from a properly authorized administrator ID, or contact the system administrator to have additional authority granted to the current administrator ID.

ANR4939E  Command: The "option" option is not valid for a DISK storage pool.

Explanation: The command indicated specifies an option that is not valid for a DISK storage pool.

System action: The server does not process the command.

User response: Rerun the command with options appropriate for a DISK storage pool.

ANR4940E  Reclamation is ended for storage pool storage pool name. There is an insufficient number of mount points available for removable media.

Explanation: During reclamation for the indicated storage pool the server could not allocate sufficient mount points in the storage pool.

System action: Reclamation stops.

User response: If necessary, make more mount points available.

ANR4941E  The server is unable to translate the Unicode name while building table of contents for node node name, file space file space name, Unicode name unicode name node identifier node id, parent node identifier parent node id. Table of contents creation fails.

Explanation: While creating a table of contents (TOC) for a Network Appliance file server, the TSM server attempted to translate the Unicode name in the file history message from UCS-2 to UTF-8. The translation failed.

System action: The TOC creation fails.

User response: Verify that the required support for translations between UCS-2 and UTF-8 is properly installed and configured on the system where the Tivoli Storage Manager is running.

Verify that the reported Unicode name is valid. Note that the Unicode name is encoded in little-endian UCS-2 and is reported in hexadecimal notation. If the Unicode name is not valid, the problem may usually be corrected by deleting or renaming the corresponding file or directory on the Network Appliance file server. The node identifier and parent node identifier are provided by the Network Appliance NDMP server. Their values are NDMP-server implementation dependent but will typically be the inode number of the file or directory. For more information about the Unicode name or the node identifiers, including using them to locate and correct the invalid file or directory, contact Network Appliance for support.

If possible, configure the Network Appliance file server to always encode file and directory names as UTF-8. For additional information about using international characters with Network Appliance file servers, see the :cit:ADSM Administrator’s Guide:ecit: for your particular platform.

Once the problem has been corrected, try the operation again.

ANR4942E  Command: Volume volume name is not defined. The file name does not exist or has no space.

Explanation: A define volume command was issued for the indicated volume name. The volume name was specified without the FORMATSIZE parameter, but it either does not exist or exists as a file of size 0.

System action: The volume definition fails.

User response: Use the FORMATSIZE parameter to have the server pre-allocate space for the new volume.

ANR4943E  Command: Volumes cannot be deleted from RECLAMATIONTYPE=SNAPLOCK storage pools.

Explanation: Deleting volumes from RECLAMATIONTYPE=SNAPLOCK storage pools is not allowed. Rather, deletion of empty volumes occurs automatically during reclamation processing.

System action: The operation fails.

User response: Allow deletion of empty volumes to be done automatically during reclamation processing.

ANR4944E  Command: Volumes cannot be defined in RECLAMATIONTYPE=SNAPLOCK storage pools.

Explanation: Defining volumes on RECLAMATIONTYPE=SNAPLOCK storage pools is not allowed. Rather, the MAXSCRATCH parameter on the DEFINE and UPDATE STGPOOL commands is
used to make storage pool space available for these
storage pools.

System action: The operation fails.
User response: Use the MAXSCRATCH parameter on
the DEFINE and UPDATE STGPOOL commands to
create space in the storage pool.

ANR4945E  Command: The volume named volume
name is larger than is allowed for a
volume on your system.
Explanation: While attempting to define a volume on
volume name the server detected that the volume size
exceeds the maximum allowed.
System action: The operation fails.
User response: Consider defining 2 smaller volumes.

ANR4946W  The character encoding of NDMP file
history messages for node node name, file
system file system name is unknown. The
Tivoli Storage Manager server will use
the UTF-8 encoding to build a table of
contents.
Explanation: While initializing a backup with a table
of contents (TOC) for the specified node and file
system, the TSM server determines that the character
encoding of file history information from the NAS file
server is unknown. The Tivoli Storage Manager server
will assume file history information is encoded as
UTF-8 in order to build a TOC.
If the character encoding is not UTF-8 and non-English
characters are present, the names will be improperly
displayed and probably unreadable, making recovery
difficult.
System action: The operation continues.
User response: Verify that the encoding of file history
information is UTF-8. For Network Appliance NAS file
servers, verify that the volume language for the
specified node and file space is UTF-8, or a subset of
UTF-8 (for example 7-bit ASCII).

ANR4947E  The server is unable to translate the
Unicode path name while building table
of contents for node node name, file
space file space name. Table of contents
creation fails.
Explanation: While creating a table of contents (TOC),
the server attempted to translate the Unicode path
name in the file history message from UCS-2 to UTF-8.
The translation failed.
System action: The TOC creation fails.
User response: Verify that the required support for
translations between UCS-2 and UTF-8 is properly
installed and configured on the system where the Tivoli
Storage Manager is running. Try the operation again.

ANR4948E  The list file named list file name contains
more than max entry count entries.
Explanation: While reading a list file, the server
detects that the number of entries exceeds the
maximum allowed.
System action: The operation fails.
User response: Consider breaking up the operation
into multiple commands, each handling a subset of the
required entries.

ANR4949E  The server is unable to write to table
table name because there is not enough
temporary space in the database. Table
of contents operation for node node
name, file space file space name fails.
Explanation: While operating on a table of contents
(TOC), the server attempted to insert data into the
specified temporary database table, but there is not
enough temporary space in the server’s database.
System action: The TOC operation fails.
User response: Ensure that sufficient temporary space
is available in the server’s database.

ANR4950E  The server is unable to retrieve NDMP
file history information while building
table of contents for node node name, file
space file space name. NDMP node ID is
NDMP node ID. Table of contents
creation fails.
Explanation: While creating a table of contents (TOC),
the server attempted to retrieve information contained
in a previous NDMP file history message. The
information was not found. This could be caused by a
problem with the NAS file server that is sending file
history messages. The NDMP node ID reported in the
message is the node ID referenced in the current
NDMP file history message.
System action: The TOC creation fails.
User response: Verify that the NDMP server is
properly sending file history information. Otherwise,
contact your service representative.

ANR4951E  The writing of a table of contents for
node node name, file space file space name
failed. The object is excluded from
storage pool pool name and all successor
pools because of its size.
Explanation: The server ends a table of contents
(TOC) creation for the specified node. The size of the
TOC is larger than that allowed in the storage pool
specified by the TOC destination attribute of the
assigned management class backup copy group. No
successor storage pools to the one specified on the copy
group can accept the large TOC.

**System action:**  The TOC creation is ended and server
operation continues.

**User response:**  Increase the maximum file size for one
or more of the storage pools in the storage hierarchy to
accommodate the TOC. An authorized administrator
can increase the MAXSIZE parameter by issuing the
UPDATE STGPOOL command.

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**ANR4952E**  The writing of a table of contents for
node node name, file space file space name
failed. No space is available in storage
pool pool name and all successor pools.

**Explanation:**  The server ends a table of contents
(TOC) creation for the specified node. The storage pool
specified by the TOC destination attribute of the
backup copy group in the assigned management class
does not contain enough free space to hold the TOC.
No successor storage pools to the one specified on the
copy group contain enough free space.

**System action:**  The TOC creation is ended and server
operation continues.

**User response:**  An authorized administrator can issue
the DEFINE VOLUME command to add storage to one
or more storage pools in the storage hierarchy. This
action may also involve creating storage space by using
an operating system-specific utility.

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**ANR4953E**  The writing of a table of contents for
node node name, file space file space name
failed. The server encountered an error
when writing to the storage device.

**Explanation:**  The server ends a table of contents
(TOC) creation for the specified node because an I/O
error has been encountered by the server in writing to
a device.

**System action:**  The TOC creation is ended and server
operation continues.

**User response:**  Query the activity log to find messages
preceding this one that specify the failing device.
Storage pool volumes can be varied offline (by using
the VARY command), or the server may need to be
halted to correct the hardware problem. After the
problem is corrected, try the operation again.

---

**ANR4954E**  The writing of a table of contents for
node node name, file space file space name
failed. The data transfer was interrupted.

**Explanation:**  The server ends a table of contents
(TOC) creation for the specified node because data
transfer to or from data storage was interrupted by an
external event.

**System action:**  The TOC creation is ended and server
operation continues.

**User response:**  Examine the messages issued prior to
this message to determine why the data transfer was
interrupted. Attempt the operation again if the problem
can be resolved.

---

**ANR4955E**  The writing of a table of contents for
node node name, file space file space name
failed. The storage media is not available.

**Explanation:**  The server ends a table of contents
(TOC) creation for the specified node because storage
volumes are not available in the storage pools in which
the TOC is to be stored.

**System action:**  The TOC creation is ended and server
operation continues.

**User response:**  An authorized administrator can issue
the DEFINE VOLUME command to add storage to one
or more storage pools in the storage hierarchy. The
VARY ONLINE command can be used to vary offline
storage volumes online in the storage hierarchy to
make them available for TOC storage.

---

**ANR4956E**  The writing of a table of contents for
node node name, file space file space name
failed. The server does not have
sufficient recovery log space.

**Explanation:**  The server ends a table of contents
(TOC) creation for the specified node because sufficient
log space is not available on the server.

**System action:**  The TOC creation is ended and server
operation continues.

**User response:**  An authorized administrator can issue
the DEFINE LOGVOLUME command to add volumes
for use by the log, and can issue the EXTEND LOG
command to extend the size of the log so that the new
volumes are used.

---

**ANR4957E**  The writing of a table of contents for
node node name, file space file space name
failed. The server does not have
sufficient database space.

**Explanation:**  The server ends a table of contents
(TOC) creation for the specified node because sufficient
database space is not available on the server.

**System action:**  The TOC creation is ended and server
operation continues.

**User response:**  An authorized administrator can issue
the DEFINE DBVOLUME command to add volumes
for use by the database. Also, an administrator can issue
the EXTEND DB command to extend the size of the
database so that the new volumes are used.
ANR4958E  The writing of a table of contents for node node name, file space file space name failed. The server is unable to start a new thread.

Explanation: The server ends a table of contents (TOC) creation for the specified node because sufficient memory is not available for starting additional processes on the server.

System action: The TOC creation is ended and server operation continues.

User response: See the documentation for the operating system about how to increase memory for an application.

ANR4959E  The writing of a table of contents for node node name, file space file space name failed. The server does not have sufficient memory.

Explanation: The server ends a table of contents (TOC) creation for the specified node because sufficient memory is not available on the server.

System action: The TOC creation is ended and server operation continues.

User response: If necessary, make more mount points available.

ANR4960E  The writing of a table of contents for node node name, file space file space name failed. The server detected an internal error.

Explanation: The server ends a table of contents (TOC) creation for the specified node because an internal logic error is detected.

System action: The TOC creation is ended and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR4961E  The writing of a table of contents for node node name, file space file space name failed. The server could not commit the transaction.

Explanation: An error was detected during transaction commit. This message should be preceded by other messages that give additional information about the failed transaction.

System action: The table of contents (TOC) creation is ended and server operation continues.

ANR4962E  The writing of a table of contents for node node name, file space file space name failed. The server does not have sufficient mount points available to satisfy the request.

Explanation: The server was unable to allocate sufficient mount points to write the table of contents (TOC).

System action: The TOC creation is ended and server operation continues.

User response: See the documentation for the operating system about how to increase memory for an application.

ANR4963E  The writing of a table of contents for node node name, file space file space name failed. See previous messages.

Explanation: The server ends a table of contents (TOC) creation for the specified node because a previous error has occurred.

System action: The TOC creation is ended and server operation continues.

User response: Examine the server messages issued prior to this message to determine the source of the error. Issue the QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR4964I  Space reclamation deleted number of volumes WORM FILE volumes for storage pool storage pool name.

Explanation: During reclamation for the indicated storage pool, the server deleted the indicated number of empty WORM FILE volumes that have exceeded their retention date.

System action: Reclamation and server operations continue.

User response: None.

ANR4965E  operation is ended for storage pool storage pool name. Sufficient database space is not available.

Explanation: Insufficient server database space has been encountered during the indicated operation for the indicated storage pool.

System action: Either the Migration or Reclamation stops, or the operation specified in the message stops.
User response: To increase the amount of database space available to the server, an authorized administrator can add database volumes using the DEFINE DBVOLUME command and can extend the size of the database using the EXTEND DB command.

ANR4966E  operation is ended for storage pool storage pool name; sufficient recovery log space is not available.

Explanation: Insufficient server recovery log space has been encountered during the indicated operation for the indicated storage pool.

System action: Either the Migration or Reclamation stops, or the operation specified in the message stops.

User response: To increase the amount of recovery log space available to the server, an authorized administrator can add log volumes using the DEFINE LOGVOLUME command and can extend the size of the log volumes using the EXTEND LOG command.

ANR4972I  Command: Migration is not needed for the storage pool pool name.

Explanation: Migration is not needed for the specified storage pool because of one of the following reasons:
- The high migration threshold (percentage) is set to 100 to prevent migration.
• If the specified storage pool uses random-access disk or sequential-access disk, the data capacity utilization is less than the low migration threshold.

• If the specified storage pool uses tape or optical media, the ratio of volumes that contain data to the total number of volumes in the storage pool is less than the low migration threshold.

System action: The server does not process the command.

User response: Re-issue the command when migration is needed for the pool.

ANR4973I Command: Reclamation is not allowed for the storage pool pool name.

Explanation: The high reclamation threshold (percentage) is set to 100 to prevent reclamation for the specified storage pool.

System action: The server does not process the command.

User response: Re-issue the command when migration is needed for the pool.

ANR4976W The device class DevClassName is not the same as device class DevClassName defined for the serverbackup node $$_TSMDBMGR_$$.

Explanation: The device class in this command is not the same as the device class defined in the server backup node.

System action: The server will still process the command.

User response:

ANR4977W The filesystem filesystem name (filesystem id) for node node name will not be included in the backupset because it was not created by the backup/archive client and cannot be restored from the backupset.

Explanation: Data from the filesystem will not be included in the backupset because the filesystem was not created by the backup/archive client and it cannot be restored from the backupset.

System action: The filesystem is skipped.

User response: None.

ANR4978W The filesystem filesystem name (filesystem id) for node node name will not be included in the backupset because it is not a supported application type.

Explanation: Data from the filesystem will not be included in the backupset because the filesystem does not belong to a supported application type.

System action: The filesystem is skipped.

User response: None.

ANR4979W Use of environment variable DSMSERV_DIR is no longer supported.

Explanation: The DSMSERV_DIR environment variable was required in prior versions of TSM to find loadable modules and language files. Now, however, the directory is determined automatically and this variable is ignored.

System action: Server operation continues, using the directory containing the server executable as the base server directory.

User response: None.

ANR4980I Auditing Interface Driver definitions.

Explanation: The server is beginning an audit of the definitions for Web interface.

System action: The server will audit all definitions for the Web interface and report any problems.
ANR4981E Interface Driver audit completed - Inconsistencies were found.

Explanation: The server found errors during the audit of the definitions for Web interface.

System action: The Web Interface is not correctly installed. The Web Admin will not work correctly, but the server may be run without any problems.

User response: Ensure you are using the correct IDL file for the server level you are running. Examine error messages that may have been displayed before and/or after this message and correct any problems, if possible. If the cause of this cannot be determined or resolved, contact your support representative.

ANR4982I Interface Driver audit completed - definitions are consistent.

Explanation: The server successfully completed the installation of the definitions for the Web interface.

System action: The Web Interface is now installed. The server may be run without any problems.

User response: None.

ANR4983I Auditing Interface Driver Groups.

Explanation: The server is auditing the driver groups.

System action: The server will audit the driver groups and proceed to the next step.

User response: None.

ANR4984E Error description

Explanation: The server found errors during the audit of the definitions for Web interface.

System action: The audit will fail.

User response: Ensure you are using the correct IDL file for the server level you are running. Examine error messages that may have been displayed before this message and correct any problems, if possible. If the cause of this cannot be determined or resolved, contact your support representative. If you contact your support representative, the entire text of this message should be reported.

ANR4985I Auditing Interface Driver Group Members.

Explanation: The server is auditing the driver group members.

System action: The server will audit the driver group members and proceed to the next step.

User response: None.

ANR4986I Auditing Interface Driver Classes.

Explanation: The server is auditing the driver classes.

System action: The server will audit the driver classes and proceed to the next step.

User response: None.

ANR4987E Audit processing failed: sufficient memory is not available for processing.

Explanation: At RUNFILE time, the server is unable to process the IDL data due to insufficient memory.

System action: Server runfile stops.

User response: Restart the server runfile process with more memory available.

ANR4988I Auditing Interface Driver Complex Class containers.

Explanation: The server is auditing the driver class containers.

System action: The server will audit the driver class containers and proceed to the next step.

User response: None.

ANR4989I Auditing Interface Driver Operations.

Explanation: The server is auditing the driver operations.

System action: The server will audit the driver operations and proceed to the next step.

User response: None.

ANR4990I Auditing Interface Driver Operation Parameters.

Explanation: The server is auditing the driver operation parameters.

System action: The server will audit the driver operation parameters and proceed to the next step.

User response: None.

ANR4991I Auditing Interface Driver Tasks.

Explanation: The server is auditing the driver tasks.

System action: The server will audit the driver tasks and proceed to the next step.

User response: None.
ANR4992I  Auditing Interface Driver Task Members.
Explanation: The server is auditing the driver task members.
System action: The server will audit the driver task members and proceed to the next step.
User response: None.

ANR4993E  The client platform platform name is currently not supported by the TSM Storage Agent.
Explanation: At this point in time the storage agent does not accept the incoming client platform.
System action: None.
User response: None.

ANR4994E  Query whether the volume volume name is in the library library name failed.
Explanation: An attempt to query if the indicated volume is in the specified library failed. It could be the library is offline or the library manager is down in a library sharing environment.
System action: The requested operation failed.
User response: Re-attempt the request when the library is brought up or when the library manager is up and running in a library sharing environment.

ANR6201I  Command name: Verifying candidates from last audit.
Explanation: A compression audit has started to verify the client file candidates that were identified in a previous compression audit execution. The verification process eliminates compression candidates that are now found to be expired by policy on the server.
System action: The audit operation continues.
User response: None.

ANR6203I  Command name: Starting level audit level compression audit from qualifying entries in the candidates list.
Explanation: A compression audit is starting to check qualifying candidates from the candidates list for the audit level specified. Client files that were identified as compression candidates at a lower level will be tested, subject to the qualifications that were specified for the command.
System action: The audit operation continues.
User response: The compression candidate list can be displayed with the QUERY COMPRESSION command. The QUERY PROCESS command can be used to monitor the progress of the audit operation.

ANR6204I  Command name: Process process ID, level audit level audit, ended successfully - compression suspects = total number of compression suspects.
Explanation: A compression audit ended and is reporting the total number of suspect client files that have been found.
System action: The audit operation completes.
User response: The compression candidate list can be displayed with the QUERY COMPRESSION command.

ANR6205I  Command name: Process process ID, continuing Level 1 compression audit with object object ID high order number,object ID low order number.
Explanation: A level 1 compression audit is starting to evaluate client files for signs that they may be affected by the client compression problem. Since a previous level 1 audit has been executed, this audit will continue where the last audit stopped starting with the object whose identifier is specified.
System action: The audit operation continues.
User response: The compression candidate list can be displayed with the QUERY COMPRESSION command. The QUERY PROCESS command can be used to monitor the progress of the audit operation.
ANR6206I  Command name: Process process ID, starting base level 1 compression audit.

Explanation: A level 1 compression audit is starting to evaluate client files for signs that they may be affected by the client compression problem. The audit starts with the first client file found on the server, even if previous level 1 audits have been executed.

System action: The audit operation continues

User response: The compression candidate list can be displayed with the QUERY COMPRESSION command. The QUERY PROCESS command can be used to monitor the progress of the audit operation.

ANR6207I  Command name: Process process ID, level audit level analysis detected candidate file high-level object name low-level object name in file space client filespace name for node client node name.

Explanation: A compression audit has found a candidate file at the audit level specified. The name of the client node, file space, and file are displayed. This message is issued whenever a candidate file is detected during a compression audit that was started with the VERBOSE=YES parameter specified.

System action: The audit operation continues.

User response: The compression candidate list can be displayed with the QUERY COMPRESSION command. The QUERY PROCESS command can be used to monitor the progress of the audit operation.

ANR6208I  Command name: Process process ID, was cancelled - number of candidate files candidate files were found in number of files examined files examined prior to cancellation.

Explanation: A compression audit operation was canceled with the CANCEL PROCESS command before completion. The number of candidate files that were found prior to the cancellation are displayed.

System action: The audit operation ends.

User response: The compression audit may be restarted with the AUDIT COMPRESSION command. The compression candidate list can be displayed with the QUERY COMPRESSION command.

ANR6209I  Command name: Process process ID, level audit level audit completed successfully - number of candidate files candidate files were found in number of files examined files examined.

Explanation: A compression audit operation completed successfully. The number of candidate files that were found are displayed.

System action: The audit operation ends.

User response: The compression candidate list can be displayed with the QUERY COMPRESSION command.

ANR6210I  Command name: Process process ID, level audit level audit completed successfully - number of candidate files candidate files were found.

Explanation: A compression audit operation completed successfully. The number of candidate files that have been found are displayed.

System action: The audit operation ends.

User response: The compression candidate list can be displayed with the QUERY COMPRESSION command.

ANR6211I  Command name: Process process ID, level audit level analysis detected candidate file object name in file space client filespace name for node client node name.

Explanation: A compression audit has found a candidate file at the audit level specified. The name of the client node, file space, and file are displayed. This message is issued whenever a candidate file is detected during a compression audit that was started with the VERBOSE=YES parameter specified.

System action: The audit operation continues.

User response: The compression candidate list can be displayed with the QUERY COMPRESSION command. The QUERY PROCESS command can be used to monitor the progress of the audit operation.

ANR6212I  Command name: Process process ID, level audit level analysis eliminated level candidate level candidate file object name in filespace client filespace name for node client node name from candidate status.

Explanation: A compression audit at the level specified has eliminated a candidate file through further analysis. The name of the client node, file space, and file are displayed. This message is issued whenever a candidate file is eliminated from consideration during a compression audit that was started with the VERBOSE=YES parameter specified.

System action: The audit operation continues.

User response: The compression candidate list can be displayed with the QUERY COMPRESSION command. The QUERY PROCESS command can be used to monitor the progress of the audit operation.
**ANR6213I**  Command name: Process process ID, was cancelled - number of files promoted candidate files were promoted as candidates at level audit level, number of files eliminated files were eliminated as candidates, and number of files expired candidates were eliminated because they were found to be expired on the server.

Explanation: A compression audit operation was cancelled with the CANCEL PROCESS command before completion. The number of candidate files that were promoted as candidates at this level of audit, eliminated as candidates at this level of audit, and found to be expired before the cancellation are reported.

System action: The audit operation ends.

User response: The compression audit can be restarted with the AUDIT COMPRESSION command. The compression candidate list can be displayed with the QUERY COMPRESSION command.

**ANR6214I**  Command name: Process process ID, completed successfully - number of files promoted candidate files were promoted as candidates at level audit level, number of files eliminated files were eliminated as candidates, and number of files expired candidates were eliminated because they were found to be expired on the server.

Explanation: A compression audit operation completed successfully. The number of candidate files that were promoted as candidates at this level of audit, eliminated as candidates at this level of audit, and found to be expired are reported.

System action: The audit operation ends.

User response: The compression candidate list can be displayed with the QUERY COMPRESSION command.

**ANR6215I**  Command name: Backup for file high-level object name low-level object name in filespace client filespace name for node client node name could not be forced.

Explanation: It is not possible to force a backup for the specified file using the FORCE BACKUP command. This file was either backed up using an API client or by an ADSM version 2 client or higher.

System action: The state of the compression record for this file is updated.

User response: If the file was backed up using a Version 2 client, or higher, you may remove this entry as a candidate, using the REMOVE COMPRESSION command. If the file was backed up using an API client, notify the client owner to again back this file up.

Do not remove this entry until it becomes an "inactive" entry.

**ANR6220I**  Delete compression operation started as process process ID.

Explanation: A deletion operation was started as a background server process with the indicated identifier.

System action: Server operation continues.

User response: None.

**ANR6221I**  Force backup operation started as process process ID.

Explanation: A force backup operation was started as a background server process with the indicated identifier.

System action: Server operation continues.

User response: None.

**ANR6222I**  Command name: Process process ID was cancelled - number of files files were processed prior to cancellation.

Explanation: The indicated process was cancelled prior to completion. This message displays the indicated number of files that were processed before the operation was cancelled.

System action: The process ends.

User response: The operation may be restarted by reissuing the indicated command.

**ANR6223I**  Delete compression process process ID has completed - number of files files were deleted.

Explanation: The indicated process has completed processing. All database references have been deleted for the indicated number of files.

System action: The process ends.

User response: None.

**ANR6224I**  Force backup process process ID has completed - number of files files were marked for forced backup.

Explanation: The indicated process has completed processing. The indicated number of files have been marked for forced backup. These files will be backed up during the next incremental backup.

System action: The process ends.

User response: None.
ANR6225I  File identifier removed as a suspect for compression errors.

Explanation: The file with the specified identifier has been removed from the database information concerning files with possible compression errors. Other database information concerning the file is not affected.

System action: Server operation continues.
User response: None.

ANR6226I  Command name: Started as background process process ID.

Explanation: A compression cleanup operation has been started to remove compression candidate information and temporary database entries from the server database. Client files are not affected by this operation.

System action: Server operation continues.
User response: The CANCEL PROCESS command can be used to cancel the compression cleanup operation. The QUERY PROCESS command may be used to query the status of the operation.

ANR6227I  cleanup process name operation starting as process process ID.

Explanation: A compression cleanup operation has been started to remove compression candidate information and temporary database entries from the server database. Client files are not affected by this operation.

System action: Server operation continues.
User response: The CANCEL PROCESS command can be used to cancel the compression cleanup operation. The QUERY PROCESS command may be used to query the status of the operation.

ANR6228W  Cleanup process name: Process process ID has been cancelled - cleanup processing is incomplete.

Explanation: A compression cleanup operation has been cancelled prior to successful completion.

System action: Server operation continues.
User response: The CLEANUP COMPRESSION command can be used to restart the cleanup operation.

ANR6229I  Cleanup process name: Process process ID completed successfully.

Explanation: A compression cleanup operation has successfully completed.

System action: The cleanup process ends.

ANR6225I  ANR6303E

ANR6300E  Command name: Insufficient server memory available for the operation.

Explanation: A compression testing routine cannot continue because sufficient memory is not available on the server.

System action: The operation fails.
User response: Increase the memory available to the server by increasing the server region size, virtual machine size, paging space available on the system, or relocating the memory swap file, depending upon the platform on which the server is executing. Additional memory may also be made available by limiting server activity (sessions, migration, and other activities) while this operation is processing.

ANR6301E  Command name: Invalid LEVEL specified. This command only supports a value of 1 or 2 for the LEVEL parameter.

Explanation: An invalid LEVEL= parameter has been specified for the command.

System action: The command fails.
User response: Reissue the command specifying a value of 1 or 2 for the LEVEL parameter.

ANR6302E  Command name: Process process ID, failed - number of candidate files candidate files were found in number of files examined files examined prior to failure.

Explanation: A compression audit operation failed before completion. The number of candidate files that were found prior to the failure are displayed.

System action: The audit operation ends.
User response: Examine message that appear before this message on the server console or in the activity log to determine the source of the failure. If the error can be corrected, re-execute the compression audit. If the failure cannot be determined or corrected, contact your service representative. The compression candidate list can be displayed with the QUERY COMPRESSION command.

ANR6303E  Command name: Process process ID, failed - number of files promoted candidate files were promoted as candidates at level audit level, number of files eliminated files were eliminated as candidates, and number of files expired candidates were eliminated because they were found to be expired on the server.

Explanation: A compression audit operation failed before completion. The number of candidate files that...
were promoted as candidates at this level of audit, eliminated as candidates at this level of audit, and found to be expired before the audit failure are reported.

**System action:** The audit operation ends.

**User response:** Examine message that appear before this message on the server console or in the activity log to determine the source of the failure. If the error can be corrected, re-execute the compression audit. If the failure cannot be determined or corrected, contact your service representative. The compression candidate list can be displayed with the QUERY COMPRESSION command.

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**ANR6304E**  
Command name: Command cannot be processed until compression audit is performed.

**Explanation:** The indicated command cannot be processed until a compression audit is performed using the AUDIT COMPRESSION command.

**System action:** The command fails.

**User response:** Issue the AUDIT COMPRESSION command and then repeat the attempted operation.

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**ANR6305E**  
Command name: File identifier is not a suspect for compression errors.

**Explanation:** The file with the specified identifier is not listed in the database as a suspect for compression errors. The file cannot be removed from the suspect list.

**System action:** Server operation continues.

**User response:** Use the QUERY COMPRESSION command to obtain the correct identifier for the file to be removed.

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**ANR6306E**  
Cleanup process name: Process process ID failed due to server error - cleanup processing is incomplete.

**Explanation:** A compression cleanup operation has failed before successful completion.

**System action:** The cleanup process ends.

**User response:** Examine messages that appear on the server console or in the server activity log prior to this message to determine the cause of the error. If the error can be identified and corrected, restart the cleanup operation with the CLEANUP COMPRESSION command. If the error cannot be corrected, contact your service representative.
ANR6605E  Command: Invalid floor identifier - floor.

Explanation: The floor identifier specified in the command is invalid.

System action: The server does not process the command.

User response: Issue the command again and specify a valid floor identifier.

ANR6606E  Command: Invalid room identifier - room.

Explanation: The room identifier specified in the command is invalid.

System action: The server does not process the command.

User response: Issue the command again and specify a valid room identifier.

ANR6607E  Command: Machine machine name is already defined.

Explanation: The machine specified in the command is already defined to the server.

System action: The server does not process the command.

User response: Issue the command again and specify another machine.

ANR6608E  Command: A machine containing a server is already defined.

Explanation: The ADSMSERVER=YES parameter specified in the command is invalid because another machine has already been defined with this parameter. Only one machine can be defined to the server as containing a server.

System action: The server does not process the command.

User response: Issue the command again and do not specify ADSMSERVER=YES as a parameter.

ANR6609I  Machine machine name defined.

Explanation: A DEFINE MACHINE command has added the requested machine to the server.

System action: None.

User response: None.

ANR6610E  Command: Invalid recovery media name - recovery media name.

Explanation: The recovery media name specified in the command is invalid.

System action: The server does not process the command.

User response: None.

ANR6611E  Command: Location information exceeds maximum length characters.

Explanation: The location specified in the command exceeds the maximum length of allowable characters.

System action: The server does not process the command.

User response: Issue the command again and specify a valid location.

ANR6612I  Machine machine name updated.

Explanation: An UPDATE MACHINE command has updated one or more attributes of a machine.

System action: None.

User response: None.

ANR6613I  Machine machine name deleted.

Explanation: A DELETE MACHINE command has deleted the requested machine from the server.

System action: None.

User response: None.

ANR6614E  Command: Machine machine name is not defined.

Explanation: The machine specified in the command is not defined to the server.

System action: The server does not process the command.

User response: Issue the command again and specify a valid machine.

ANR6615E  Command: Failed to open input file - file name.

Explanation: The input file specified in the command cannot be opened by the server.

System action: The server does not process the command.

User response: Issue the command again and specify an input file that is in a file system accessible by the server.

ANR6616E  Command: Invalid sequence number - sequence number.

Explanation: The sequence number specified in the command is invalid.

System action: The server does not process the command.
User response: Issue the command again and specify a valid sequence number.

**ANR6617W**  
Command: Node node name cannot be processed because it is not registered.

Explanation: The node indicated in the message cannot be processed because it is not registered.

System action: The indicated node is not processed, but another node can be processed if specified by this command.

User response: Issue the command again and specify a valid registered node.

**ANR6618E**  
Command: No matching node registered.

Explanation: The node specified in the command does not match any node registered to the server.

System action: The server does not process the command.

User response: Issue the command again and specify a valid node.

**ANR6619I**  
Node node name associated with machine machine name.

Explanation: A DEFINE MACHNODEASSOCIATION command has associated the specified node with the specified machine. The node node name is associated with the machine machine name.

System action: None.

User response: None.

**ANR6620E**  
Command: Machine and node association is already defined.

Explanation: The machine and node association specified in the command is already defined to the server.

System action: The server operation continues, but the command has no effect.

User response: Issue the command again and specify a valid node.

**ANR6621I**  
Node node name disassociated from machine machine name.

Explanation: A DELETE MACHNODEASSOCIATION command has deleted the requested association from the server. The node node name is not associated with the machine machine name.

System action: None.

User response: None.

**ANR6622E**  
Command: Recovery media recovery media name is not defined.

Explanation: The recovery media specified in the command is not defined to the server.

System action: The server does not process the command.

User response: Issue the command again and specify a valid recovery media.

**ANR6623W**  
Command: Machine machine name cannot be processed because it is not defined.

Explanation: The machine indicated in the message is not defined to the server.

System action: The indicated machine is not processed, but another machine can be processed if specified by this command.

User response: Issue the command again and specify a valid machine.

**ANR6624E**  
Command: No matching machine defined.

Explanation: The machine specified in the command does not match any machine defined to the server.

System action: The server does not process the command.

User response: Issue the command again and specify a valid machine.

**ANR6625I**  
Machine machine name associated with recovery media recovery media name.

Explanation: A DEFINE RECOVERYMEDIAMACHASSOCIATION command has associated the specified machine with the specified recovery media. The machine machine name is associated with the recovery media recovery media name.

System action: None.

User response: None.

**ANR6626E**  
Command: Recovery media/machine association is already defined.

Explanation: The recovery media/machine association specified in the command is already defined to the server.

System action: The server operation continues, but the command has no effect.

User response: Issue the command again and specify a valid machine.
ANR6627I  Machine machine name disassociated from recovery media recovery media name.

Explanation:  A DELETE RECOVERYMEDIAMACHASSOCIATION command has deleted the requested association from the server. Machine machine name is not associated with the recovery media recovery media name.

System action:  None.
User response:  None.

ANR6628E  Command: Volume list exceeds maximum length characters.

Explanation:  The volume list specified in the command exceeds the maximum length of allowable characters.

System action:  The server does not process the command.
User response:  Issue the command again and specify a valid volume list.

ANR6629E  Command: Product name exceeds maximum length characters.

Explanation:  The product name specified in the command exceeds the maximum length of allowable characters.

System action:  The server does not process the command.
User response:  Issue the command again and specify a valid product name.

ANR6630E  Command: Product information exceeds maximum length characters.

Explanation:  The product information specified in the command exceeds the maximum length of allowable characters.

System action:  The server does not process the command.
User response:  Issue the command again and specify valid product information.

ANR6631I  Recovery media recovery media name defined.

Explanation:  A DEFINE RECOVERYMEDIA command has defined the recovery media to the server.

System action:  None.
User response:  None.

ANR6632I  Recovery media recovery media name updated.

Explanation:  An UPDATE RECOVERYMEDIA command has updated one or more attributes of the recovery media.

System action:  None.
User response:  None.

ANR6633I  Recovery media recovery media name deleted.

Explanation:  A DELETE RECOVERYMEDIA command has deleted the requested recovery media from the server.

System action:  None.
User response:  None.

ANR6634I  Recovery media recovery media name is already defined.

Explanation:  The recovery media specified in the command is already defined to the server.

System action:  None.
User response:  None.

ANR6635E  Command: Recovery media recovery media name is already defined.

Explanation:  The recovery media specified in the command is already defined to the server.

System action:  The server does not process the command.
User response:  Issue the command again and specify a different recovery media.

ANR6636E  Command: The characteristics specified for machine machine name exceeds maximum length characters.

Explanation:  The characteristics specified in the command exceeds the maximum length of allowable characters.

System action:  The server does not process the command.
User response:  Issue the command again and specify valid characteristics.

ANR6637E  Command: The recovery instructions specified for machine machine name exceeds maximum length characters.

Explanation:  The recovery instructions specified in the command exceeds the maximum length of allowable characters.

User response:  Issue the command again and specify valid recovery instructions.
ANR6638E Command: The characteristics for machine machine name are already defined.

Explanation: The characteristics for the machine specified in the command are already defined to the server.

System action: The server does not process the command.

User response: Issue the command again and specify valid recovery instructions.

ANR6639E Command: The recovery instructions for machine machine name are already defined.

Explanation: The recovery instructions for the machine specified in the command are already defined to the server.

System action: The server does not process the command.

User response: If the specified machine is defined to the server, issue an UPDATE MACHINE command to update the existing characteristics. If the machine is not defined to the server, run AUDIT DRM FIX to delete the characteristics.

ANR6640E Command: Cannot delete volume list for boot recovery media.

Explanation: A volume list cannot be deleted for boot recovery media. A volume list must exist for each boot recovery media defined to the server.

System action: The server does not process the command.

User response: To delete the volume list, issue an UPDATE RECOVERYMEDIA command and specify a recovery media type of OTHER and VOLUMES="". To change the recovery media type to BOOT, issue an UPDATE RECOVERYMEDIA command and specify the volume list containing the boot recovery media and TYPE=BOOT.

ANR6641E Command: No association found for machine and node pair specified.

Explanation: No association found for the machine and node pair specified in the command.

ANR6642E Command: No association found for recovery media and machine pair specified.

Explanation: No association found for the recovery media and machine pair specified in the command.

System action: Server operation continues, but the command has no effect.

User response: Issue the command again and specify a valid recovery media and machine pair.

ANR6643E Command: Invalid parameter value - parameter value.

Explanation: The parameter issued in the command is invalid.

System action: The server does not process the command.

User response: Issue the command again and specify a valid parameter.

ANR6644E Command: A character string must be specified.

Explanation: The INSERT command is invalid. A character string must be specified.

System action: The server does not process the command.

User response: Issue the command again and specify a valid character string.

ANR6645W Node node name has already been associated with machine machine name.

Explanation: The node specified in the DEFINE MACHNODEASSOCIATION command is invalid. The node is already associated with another machine shown in the message. A node can only be associated with one machine.

System action: The indicated node is not processed, but another node can be processed if specified by the command.

User response: Issue the command again and specify a valid node name.

ANR6646I Audit command: Auditing disaster recovery manager definitions.

Explanation: This message is displayed during a database audit and indicates that the disaster recovery
ANR6647E  Audit command: DRM global attributes are missing.
Explanation: A database audit process finds that the global attributes used for server DRM activities are missing.
System action: Audit processing continues.
User response: None.

ANR6648I  Audit command: DRM global attributes are missing - default values will be used to recreate the attributes.
Explanation: A database audit process finds that the global attributes used for server DRM activities are missing. Because FIX=YES has been specified on the AUDIT command, default attribute values will be used to recreate the administrative global attributes.
System action: Audit processing continues.
User response: Issue the command again and specify FIX=YES to recreate the DRM global attributes.

ANR6649E  Audit command: DRM machine ID assignments are incorrect.
Explanation: A database audit process finds that the global attributes machine ID used for server DRM activities are incorrect.
System action: Audit processing continues.
User response: Reissue the audit command with FIX=YES specified so that the DRM global attributes can be corrected.

ANR6650I  Audit command: DRM machine ID assignments are incorrect - values will be corrected.
Explanation: A database audit process finds that the global attributes machine ID used for server DRM activities are incorrect. Since FIX=YES has been specified on the AUDIT command, the attribute value will be corrected in the server database.
System action: Audit processing continues.
User response: None.

ANR6651I  Audit command: Invalid priority value encountered for machine machine name.
Explanation: A database audit process encounters an invalid priority value for the machine indicated.
System action: Audit processing continues.
User response: Issue the command again and specify FIX=YES to correct the priority. Or, issue an UPDATE MACHINE command and specify a new priority value.

ANR6652I  Audit command: Invalid priority value encountered for machine machine name - the default value will be set.
Explanation: A database audit process encounters an invalid priority value for the machine indicated. Because FIX=YES has been specified, the audit function sets the machine priority value to the default value.
System action: Audit processing continues.
User response: To override the default value, issue an UPDATE MACHINE command to change the value after the audit command has completed.

ANR6653I  Audit command: Invalid building value encountered for machine machine name.
Explanation: A database audit process encounters an invalid building value for the machine indicated.
System action: Audit processing continues.
User response: Issue the command again and specify FIX=YES to correct the building value. Or, issue an UPDATE MACHINE command and specify a new building value.

ANR6654I  Audit command: Invalid building value encountered for machine machine name - the building value will be removed.
Explanation: A database audit process encounters an invalid building value for the machine indicated. Because FIX=YES has been specified, the audit function removes the machine building value.
System action: Audit processing continues.
User response: To set the building value to another value, issue an UPDATE MACHINE command after the audit command has completed.

ANR6655I  Audit command: Invalid floor value encountered for machine machine name.
Explanation: A database audit process encounters an invalid floor value for the machine indicated.
System action: Audit processing continues.
User response: Issue the command again and specify
FIX=YES to correct the floor value. Or, issue an UPDATE MACHINE command and specify a new floor value.

**ANR6656I**  *Audit command: Invalid floor value encountered for machine machine name - the floor value will be removed.*

**Explanation:** A database audit process encounters an invalid floor value for the machine indicated. Because FIX=YES has been specified, the audit function removes the machine floor value.

**System action:** Audit processing continues.

**User response:** To set the floor value to another value, issue an UPDATE MACHINE command after the audit command has completed.

**ANR6657I**  *Audit command: Invalid room value encountered for machine machine name.*

**Explanation:** A database audit process encounters an invalid room value for the machine indicated.

**System action:** Audit processing continues.

**User response:** Issue the command again and specify FIX=YES to correct the room value. Or, issue an UPDATE MACHINE command and specify a new room value.

**ANR6658I**  *Audit command: Invalid room value encountered for machine machine name - the room value will be removed.*

**Explanation:** A database audit process encounters an invalid room value for the machine indicated. Because FIX=YES has been specified, the audit function removes the machine room value.

**System action:** Audit processing continues.

**User response:** To set the room value for the specified machine to another value, use the UPDATE MACHINE command after the audit command has completed.

**ANR6659I**  *Audit command: Invalid server value encountered for machine machine name.*

**Explanation:** A database audit process encounters an invalid server value for the machine indicated.

**System action:** Audit processing continues.

**User response:** Issue the command again and specify FIX=YES to correct the server value. Or, issue an UPDATE MACHINE command and specify a new server value.

**ANR6660I**  *Audit command: Invalid server value encountered for machine machine name - the default value will be set.*

**Explanation:** A database audit process encounters an invalid server value for the machine indicated. Because FIX=YES has been specified, the audit function sets the machine server value to the default value.

**System action:** Audit processing continues.

**User response:** To override the default value, issue an UPDATE MACHINE command to change the value after the audit command has completed.

**ANR6661I**  *Audit command: Multiple machines are indicated as servers. Only one machine should have the server indicator set to YES.*

**Explanation:** A database audit process encounters more than one machine with the server indicator set to YES.

**System action:** Audit processing continues.

**User response:** For a list of machines with the server indicator set to YES, issue a QUERY MACHINE ADSMSERVER=YES command. Issue an UPDATE MACHINE command for each machine that is not a server.

**ANR6662I**  *Audit command: Characteristics for machine machine name not found.*

**Explanation:** A database audit process finds a characteristics reference from a machine for characteristics that are not in the server database.

**System action:** Audit processing continues.

**User response:** Issue an UPDATE MACHINE command to load the characteristics into the database after the audit command has completed.

**ANR6663I**  *Audit command: Recovery instructions for machine machine name not found.*

**Explanation:** A database audit process finds a recovery instructions reference from a machine for recovery instructions that are not in the server database.

**System action:** Audit processing continues.

**User response:** Issue an UPDATE MACHINE command to load the recovery instructions into the database after the audit command has completed.
ANR6664I  Audit command: Invalid access value encountered for recovery media recovery media name.

Explanation: A database audit process encounters an invalid access value for the recovery media indicated.

System action: Audit processing continues.

User response: Issue the command again and specify FIX=YES to correct the access value. Or, issue an UPDATE RECOVERYMEDIA command and specify a new access value.

ANR6665I  Audit command: Invalid access value encountered for recovery media recovery media name - the default value will be set.

Explanation: A database audit process encounters an invalid access value for the recovery media indicated. Because FIX=YES has been specified, the audit function sets the recovery media access value to the default value.

System action: Audit processing continues.

User response: To override the default value, issue an UPDATE RECOVERYMEDIA command to change the value after the audit command has completed.

ANR6666I  Audit command: Invalid type value encountered for recovery media recovery media name.

Explanation: A database audit process encounters an invalid type value for the recovery media indicated.

System action: Audit processing continues.

User response: Issue the command again and specify FIX=YES to correct the type value. Or, issue an UPDATE RECOVERYMEDIA command and specify a new type value.

ANR6667I  Audit command: Invalid type value encountered for recovery media recovery media name - the default value will be set.

Explanation: A database audit process encounters an invalid type value for the recovery media indicated. Because FIX=YES has been specified, the audit function sets the recovery media type value to the default value.

System action: Audit processing continues.

User response: To override the default value, issue an UPDATE RECOVERYMEDIA command to change the value after the audit command has completed.

ANR6668E  Audit command: Machine is not found for internal machine ID machine ID, which is referenced by recovery media.

Explanation: A database audit process finds recovery media that references a machine that is not defined in the server database.

System action: Audit processing continues.

User response: Issue the command again and specify FIX=YES to correct recovery media attributes.

ANR6669I  Audit command: Machine is not found for internal machine ID machine ID, which is referenced by recovery media - the machine reference will be deleted.

Explanation: A database audit process finds recovery media that references a machine that is not defined in the server database. Because FIX=YES has been specified for the audit command, the reference will be removed from the server database.

System action: Audit processing continues.

User response: None.

ANR6670E  Audit command: Recovery media not found for internal recovery media ID recovery media ID, which is referenced by a machine.

Explanation: A database audit process finds a machine that references recovery media that is not defined in the server database.

System action: Audit processing continues.

User response: Issue the command again and specify FIX=YES to correct the recovery media attributes.

ANR6671I  Audit command: Recovery media not found for internal recovery media ID recovery media ID, which is referenced by a machine - the recovery media reference will be deleted.

Explanation: A database audit process finds a machine that references recovery media that is not defined in the server database. Because FIX=YES has been specified for the audit command, the reference will be deleted from the server database.

System action: Audit processing continues.

User response: None.

ANR6672E  Audit command: Client node not found for internal node ID node ID, which is referenced by a machine.

Explanation: A database audit process finds a machine
that references a client node that is not defined in the server database.

**System action:** Audit processing continues.

**User response:** Issue the command again and specify FIX=YES to correct the machine attributes.

**ANR6673I**  
Audit command: Client node not found for internal node ID node ID, which is referenced by a machine - the client node reference will be deleted.

**Explanation:** A database audit process finds a client node that references a machine that is not defined in the server database. Because FIX=YES has been specified for the audit command, the reference will be removed from the server database.

**System action:** Audit processing continues.

**User response:** None.

**ANR6674E**  
Audit command: Machine not found for internal machine ID machine ID, which is referenced by a client node.

**Explanation:** A database audit process finds a client node that references a machine that is not defined in the server database.

**System action:** Audit processing continues.

**User response:** Issue the command again and specify FIX=YES to correct the machine attributes.

**ANR6675I**  
Audit command: Machine not found for internal machine ID machine ID, which is referenced by a client node - the machine reference will be deleted.

**Explanation:** A database audit process finds a client node that references a machine that is not defined in the server database. Because FIX=YES has been specified for the audit command, the reference will be removed from the server database.

**System action:** Audit processing continues.

**User response:** None.

**ANR6676E**  
Audit command: Machine not found for internal machine ID machine ID, which is referenced by characteristics.

**Explanation:** A database audit process finds characteristics that reference a machine that is not defined in the server database.

**System action:** Audit processing continues.

**User response:** Issue the command again and specify FIX=YES to correct the machine attributes.

**ANR66771**  
Audit command: Machine not found for internal machine ID machine ID, which is referenced by characteristics - the machine reference will be deleted.

**Explanation:** A database audit process finds characteristics that reference a machine that is not defined in the server database. Because FIX=YES has been specified for the audit command, the reference will be removed from the server database.

**System action:** Audit processing continues.

**User response:** None.

**ANR6678E**  
Audit command: Machine not found for internal machine ID machine ID, which is referenced by recovery instructions.

**Explanation:** A database audit process finds recovery instructions that reference a machine that is not defined in the server database.

**System action:** Audit processing continues.

**User response:** None.

**ANR6679I**  
Audit command: Machine not found for internal machine ID machine ID, which is referenced by recovery instructions - the machine reference will be deleted.

**Explanation:** A database audit process finds recovery instructions that reference a machine that is not defined in the server database. Because FIX=YES has been specified for the audit command, the reference will be removed from the server database.

**System action:** Audit processing continues.

**User response:** None.

**ANR6680E**  
Audit command: Missing or invalid internal database attribute encountered for machine machine name.

**Explanation:** A database audit process finds an invalid attribute for the specified machine.

**System action:** Audit processing continues.

**User response:** Issue the command again.

**ANR6681I**  
Audit command: Missing or invalid internal database attribute encountered for machine machine name - the attribute will be corrected.

**Explanation:** A database audit process finds an invalid attribute for the specified machine. Because FIX=YES has been specified for the audit command, the invalid attribute will be corrected.
System action: Audit processing continues.
User response: None.

ANR6682I Command: number of volumes processed.
Explanation: The indicated command ended. The total number of volumes successfully processed is shown in the message.
System action: The indicated command ends.
User response: None.

ANR6683I Command: Volume was moved from state to state.
Explanation: Volume is successfully moved from state1 to state2 by the indicated command.
System action: The indicated volume is moved to the destination state.
User response: None.

ANR6684I Command: Volume was deleted.
Explanation: The MOVE DRMEDIA * WHERESTATE=COURIERRETRIEVE command displays the message. Volume is deleted from the server database. For database backup volume, after its expiration days have elapsed, the volume history record is deleted when it is returned onsite. For an empty scratch copy storage pool volume, or active-data storage pool volume, the volume record is deleted when it is returned onsite.
System action: The volume record is deleted from the server database.
User response: Issue the CHECKIN LIBVOLUME command for each volume returned onsite if the volume is reused by the server.

ANR6685E Command: Volume not defined.
Explanation: Volume is not defined to the server.
System action: The indicated command is not processed if the volume name is explicitly specified on the command. If a volume pattern is specified on the command, the volume shown is not processed, but the other volumes are processed.
User response: Reissue the command specifying a valid volume name.

ANR6686E Command: Volume in use.
Explanation: The MOVE DRMEDIA * WHERESTATE=MOUNTABLE command displays the message. Volume is used for another operation.
System action: The command is not processed if the volume is explicitly specified on the command. If a volume pattern is specified on the command, the indicated volume is not processed, but the other volumes are processed.
User response: Wait until the conflicting volume activity has completed, and then reissue the command. If the volume is currently mounted, but idle, dismount the volume by using a DISMOUNT VOLUME command and then retry this operation.

ANR6687E Command: Executable command string exceeds maximum length characters.
Explanation: The length of the executable command string specified with the CMD parameter exceeds the maximum length of allowable characters (255).
System action: The server stops processing the command.
User response: Issue the command again and specify a valid executable command with the CMD parameter.

ANR6688E Command: Copy storage pool not defined for Offsite Recovery Media.
Explanation: The MOVE DRMEDIA or QUERY DRMEDIA command displays the message. The indicated command was issued with a copy storage pool name specified, but the specified pool name is not defined to DRM for Offsite Recovery Media.
System action: The indicated command is not processed.
User response: Reissue the command, after defining the specified copy storage pool to DRM for Offsite Recovery Media.
ANR6691E  Command: No match is found for this move.

Explanation: The indicated command was issued, but no matching volumes are defined to the server or the volume specified is not managed by the command.

System action: The command is not processed.

User response: Reissue the command specifying the valid volume.

ANR6694E  Command: The ORM state state is invalid for a volume with access mode access mode.

Explanation: The indicated command specifies an Offsite Recovery Media state that is invalid for a volume with the access mode shown. Specify COURIER or COURIERRETRIEVE for a volume that has access mode of OFFSITE.

System action: The server does not process the command.

User response: Reissue the command specifying COURIER or COURIERRETRIEVE as the state for a volume that has access mode of OFFSITE.

ANR6695E  Command: Device class device class name not defined for volume volume name.

Explanation: The MOVE DRMEDIA or QUERY DRMEDIA command displays the message. The volume being processed has associated with the device class name shown that is not defined to the server.

System action: The command is not processed if the volume is explicitly specified on the command. If a volume pattern is specified on the command, the indicated volume is not processed, but the other volumes not associated with the indicated class are processed.

User response: Reissue the command after the indicated device class is defined to the server.

ANR6696I  command: operation for volume volume name in library library name starting.

Explanation: The indicated operation is being started for the volume shown in the given library.

System action: The server starts the operation in response to the indicated command entered by an administrator.

User response: For SCSI library users, remove the volume from the slot and issue a REPLY command, along with the request ID, to tell the server the volume was removed from the library.

ANR6697I  command: operation for volume volume name in library library name completed successfully.

Explanation: The indicated operation has completed successfully for the volume shown in the given library.

System action: The volume is either deleted from the library inventory (if its status is something other than DATA) or marked not present (if its status is DATA).

User response: None.

ANR6698E  command: operation for volume volume name in library library name failed.

Explanation: The indicated operation has failed for the volume shown in the given library. This message should be preceded by another error message which provides more detail about the error.

System action: The volume is not processed.

User response: Check for additional message and eliminate the condition that caused the failure, then retry the command.

ANR6699I  Cancel in progress.

Explanation: The MOVE DRMEDIA command has been canceled and will end when resources have been freed for the background process. This message may be displayed in response to a QUERY PROCESS command for a MOVE DRMEDIA command.

System action: Server operation continues.

User response: None.

ANR6700I  Command command completed successfully.

Explanation: The indicated command completed successfully.

System action: None.

User response: None.

ANR6701E  Command: Invalid courier name - courier name.

Explanation: The indicated command has been entered with an invalid courier name.

System action: The server does not process the command.

User response: Reissue the command with a valid courier name.
ANR6702E Command: Invalid expiration days value - days value.

Explanation: The indicated command has been entered that specifies an invalid expiration days value.

System action: The server does not process the command.

User response: Reissue the command with a valid expiration days value.

ANR6703E Command: Invalid recovery plan prefix - prefix.

Explanation: The indicated command has been entered with an invalid recovery plan prefix.

System action: The server does not process the command.

User response: Reissue the command with a valid recovery plan prefix.

ANR6704E Command: Invalid plan instructions prefix - prefix.

Explanation: The indicated command has been entered with an invalid plan instructions prefix.

System action: The server does not process the command.

User response: Reissue the command with a valid plan instructions prefix.

ANR6705E Command: Invalid character for volume postfix - postfix character.

Explanation: The indicated command has been entered with an invalid character that is to be added to the volumes names in the recovery plan file.

System action: The server does not process the command.

User response: Reissue the command with a valid character.

ANR6706E Command: Invalid vault name - vault name.

Explanation: The indicated command has been entered with an invalid vault name.

System action: The server does not process the command.

User response: Reissue the command with a valid vault name.

ANR6707W Command: The state, access and location attributes of the copy storage pool volume volume name were not updated.

Explanation: The MOVE DRMEDIA command could not update the state, access and location of volume volume name because it was in use by another server operation.

System action: If the volume was in an automated library, the MOVE DRMEDIA command may have checked the volume out of the library.

If a volume pattern is specified on the command, the server continues processing the other volumes.

User response: Wait until the conflicting volume activity has completed, and then reissue the MOVE DRMEDIA command. Do not run the MOVE DRMEDIA and BACKUP STGPOOL commands concurrently. Ensure that the BACKUP STGPOOL command is complete before you issue the MOVE DRMEDIA command.

ANR6708W Command: Copy pool volume volume name was not processed. The volume was in use.

Explanation: The MOVE DRMEDIA command did not process volume volume name because it was in use by another server operation.

System action: The indicated command ends, if the volume was explicitly specified in the command. If a volume pattern was specified in the command, the server continues processing other volumes that match the pattern.

User response: Wait until the conflicting volume activity has completed, and then reissue the MOVE DRMEDIA command.

ANR6709W Command: Active-data pool volume volume name was not processed. The volume was in use.

Explanation: The MOVE DRMEDIA command did not process volume volume name because it was in use by another server operation.

System action: The indicated command ends, if the volume was explicitly specified in the command. If a volume pattern was specified in the command, the server continues processing other volumes that match the pattern.

User response: Wait until the conflicting volume activity has completed, and then reissue the MOVE DRMEDIA command.
ANR6710W  Command: The state, access and location
attributes of the active-data storage pool
volume volume name were not updated.

Explanation: The MOVE DRMEDIA command could
not update the state, access and location of volume
volume name because it was in use by another server
operation.

System action: If the volume was in an automated
library, the MOVE DRMEDIA command may have
checked the volume out of the library.

If a volume pattern is specified on the command, the
server continues processing the other volumes.

User response: Wait until the conflicting volume
activity has completed, and then reissue the MOVE
DRMEDIA command.

ANR6711E  Audit command: An invalid database
backup series expiration days
encountered.

Explanation: A database audit process encounters an
invalid value for database backup series expiration
days.

System action: Audit processing continues.

User response: Issue the command again and specify
FIX=YES to correct the expiration days. Or, issue a
SET DRMDBBACKUPEXPIREDAYS command and
specify a new expiration days value.

ANR6712I  Audit command: An invalid database
backup series expiration days
encountered - the default value will be set.

Explanation: A database audit process encounters an
invalid value for database backup series expiration
days. Because FIX=YES has been specified, the audit
function sets the expiration days value to the default value.

System action: Audit processing continues.

User response: To override the default value, issue a
SET DRMDBBACKUPEXPIREDAYS command to change the value
after the audit command has completed.

ANR6713E  Audit command: An invalid check label
value encountered.

Explanation: A database audit process encounters an
invalid check label value.

System action: Audit processing continues.

User response: Issue the command again and specify
FIX=YES to correct the check label value. Or, issue a
SET DRMCHECKLABEL command and specify a new
check label value.

ANR6714I  Audit command: An invalid check label
value encountered - the default value
will be set.

Explanation: A database audit process encounters an
invalid check label value. Because FIX=YES has been
specified, the audit function sets the check label value
to the default value.

System action: Audit processing continues.

User response: To override the default value, issue a
SET DRMCHECKLABEL command to change the value
after the audit command has completed.

ANR6715E  Audit command: An invalid file process
value encountered.

Explanation: A database audit process encounters an
invalid file process value.

System action: Audit processing continues.

User response: Issue the command again and specify
FIX=YES to correct the file process value. Or, issue a
SET DRMFILEPROCESS command and specify a new
file process value.

ANR6716I  Audit command: An invalid file process
value encountered - the default value
will be set.

Explanation: A database audit process encounters an
invalid file process value. Because FIX=YES has been
specified, the audit function sets the file process value
to the default value.

System action: Audit processing continues.

User response: To override the default value, issue a
SET DRMFILEPROCESS command to change the value
after the audit command has completed.

ANR6717E  Audit command: Extraneous DRM global
attribute encountered.

Explanation: A database audit process finds a
nonexistent DRM global attribute.

System action: Audit processing continues.

User response: Issue the command again and specify
FIX=YES to delete the extraneous attribute.

ANR6718I  Audit command: Extraneous DRM global
attribute encountered - the attribute will
be deleted.

Explanation: A database audit process finds a
nonexistent DRM global attribute. Since FIX=YES has
been specified, the extraneous attribute will be deleted.

System action: Audit processing continues.

User response: None.
ANR6719E * Audit command: DRM machine ID assignments not found.

**Explanation:** A database audit process finds no entries in server database for DRM internal machine ID assignments.

**System action:** Audit processing continues.

**User response:** Issue the command again and specify FIX=YES to correct the error.

ANR6720I * Audit command: DRM machine ID assignments not found - entry will be created.

**Explanation:** A database audit process finds no entries in server database for DRM internal machine ID assignments. Because FIX=YES has been specified for the audit command, the audit function creates an entry in the server database for the machine ID assignments.

**System action:** Audit processing continues.

**User response:** None.

ANR6721E * Audit command: DRM recovery media ID assignments not found.

**Explanation:** A database audit process finds no entries in server database for DRM internal recovery media ID assignments.

**System action:** Audit processing continues.

**User response:** Issue the command again and specify FIX=YES to correct the error.

ANR6722I * Audit command: DRM recovery media ID assignments not found - entry will be created.

**Explanation:** A database audit process finds no entries in server database for DRM internal recovery media ID assignments. Because FIX=YES has been specified for the audit command, the audit function creates an entry in the server database for the recovery media ID assignments.

**System action:** Audit processing continues.

**User response:** None.

ANR6723E * Audit command: Prefix for DRM recovery plan not found.

**Explanation:** A database audit process finds no entries in server database for DRM recovery plan prefix definitions.

**System action:** Audit processing continues.

**User response:** Issue the command again and specify FIX=YES to correct the error.

ANR6724I * Audit command: Prefix for DRM recovery plan not found - entry will be created.

**Explanation:** A database audit process finds no entries in server database for DRM recovery plan prefix definitions. Because FIX=YES has been specified for the audit command, the audit function creates an entry using the default value in the server database for the recovery plan file prefix.

**System action:** Audit processing continues.

**User response:** To override the default value, issue a SET DRMPLANFILEPREFIX command to change the value after the audit command has completed.

ANR6725E * Audit command: Prefix for DRM recovery plan instructions not found.

**Explanation:** A database audit process finds no entries in server database for DRM recovery plan instructions prefix definitions.

**System action:** Audit processing continues.

**User response:** Issue the audit command again and specify FIX=YES to correct the error.

ANR6726I * Audit command: Prefix for DRM recovery plan instructions not found - entry will be created.

**Explanation:** A database audit process finds no entries in server database for DRM recovery plan instructions prefix definitions. Because FIX=YES has been specified for the audit command, the audit function creates an entry using the default value in the server database for the recovery plan instructions file prefix.

**System action:** Audit processing continues.

**User response:** To override the default value, issue a SET DRMPLANINSTRPREFIX command to change the value after the audit command has completed.

ANR6727E * Audit command: Postfix for DRM replacement volumes names not found.

**Explanation:** A database audit process finds no entries in server database for DRM postfix definitions for replacement volumes names.

**System action:** Audit processing continues.

**User response:** Issue the audit command again and specify FIX=YES to correct the error.

ANR6728I * Audit command: Postfix for DRM replacement volumes names not found - entry will be created.

**Explanation:** A database audit process finds no entries in server database for DRM postfix definitions for replacement volumes names. Because FIX=YES has
been specified for the audit command, the audit
function creates an entry using the default value in the
server database for the replacement volumes postfix.

**System action:** Audit processing continues.

**User response:** To override the default value, issue a
SET DRMPLANVPOSTFIX command to change the
value after the audit command has completed.

---

**ANR6730E**  
**Audits command:** Primary storage pools to be restored by DRM not found.

**Explanation:** A database audit process finds no entries in server database for primary storage pools to be restored by DRM.

**System action:** Audit processing continues.

**User response:** Issue the audit command again and specify FIX=YES to correct the error.

---

**ANR6731E**  
**Audits command:** Copy storage pools to be managed by DRM not found.

**Explanation:** A database audit process finds no entries in server database for copy storage pools to be managed by DRM.

**System action:** Audit processing continues.

**User response:** Issue the audit command again and specify FIX=YES to correct the error.

---

**ANR6732E**  
**Audits command:** Copy storage pools to be managed by DRM not found - entry will be created.

**Explanation:** A database audit process finds no entries in server database for copy storage pools to be managed by DRM. Because FIX=YES has been specified for the audit command, the audit function creates an entry using the default value in the server database for the copy storage pools to be managed by DRM.

**System action:** Audit processing continues.

**User response:** To override the default value, issue a
SET DRMCOPYSTGPOOL command to change the
value after the audit command has completed.

---

**ANR6733E**  
**Command:** Cannot complete initialization for process name process.

**Explanation:** The indicated process fails during process initialization.

**System action:** The indicated command is ended and server processing continues.

**User response:** This usually indicates that sufficient server memory is not available on the server.

See the documentation for the operating system about how to increase memory for an application.

---

**ANR6734E**  
**Command:** Volume volume name not processed: library library name not defined.

**Explanation:** The indicated volume is not processed since the designated library has not been defined or has been deleted.

**System action:** The volume is not processed.

**User response:** Reissue the command using a different library name, or define the library before retrying the command.

---

**ANR6735E**  
**Audit command:** Courier information for ORM not found.

**Explanation:** A database audit process finds no entries in server database for courier name definitions used by DRM Offsite Recovery Media (ORM).

**System action:** Audit processing continues.

**User response:** Issue the audit command again and specify FIX=YES to correct the error.

---

**ANR6736I**  
**Audit command:** Courier information for ORM not found - entry will be created.

**Explanation:** A database audit process finds no entries in server database for courier name definitions used by DRM Offsite Recovery Media (ORM). Because FIX=YES has been specified for the audit command, the audit function creates an entry using the default value in the server database for the courier name definitions.

**System action:** Audit processing continues.

**User response:** To override the default value, issue a
SET DRMCOURIERNNAME command to change the
value after the audit command has completed.
ANR6737E  Audit command: Vault name for ORM not found.

Explanation: A database audit process finds no entries in server database for vault name definitions used by DRM Offsite Recovery Media (ORM).

System action: Audit processing continues.

User response: Issue the audit command again and specify FIX=YES to correct the error.

ANR6738I  Audit command: Vault name for ORM not found - entry will be created.

Explanation: A database audit process finds no entries in server database for vault name definitions used by DRM Offsite Recovery Media (ORM). Because FIX=YES has been specified for the audit command, the audit function creates an entry using the default value in the server database for the vault name definitions.

System action: Audit processing continues.

User response: To override the default value, issue a SET DRMVAULTNAME command to change the value after the audit command has completed.

ANR6739E  Audit command: Database backup series expiration days for ORM not found.

Explanation: A database audit process finds no entries in server database for database backup series expiration days definitions used by DRM Offsite Recovery Media (ORM).

System action: Audit processing continues.

User response: Issue the audit command again and specify FIX=YES to correct the error.

ANR6740I  Audit command: Database backup series expiration days for ORM not found - entry will be created.

Explanation: A database audit process finds no entries in server database for database backup series expiration days definitions used by DRM Offsite Recovery Media (ORM). Because FIX=YES has been specified for the audit command, the audit function creates an entry using the default value in the server database for the database backup series expiration days definitions.

System action: Audit processing continues.

User response: To override the default value, issue a SET DRMDBBACKUPEXPIREDAYS command to change the value after the audit command has completed.

ANR6741E  Audit command: Check label indicator for ORM not found.

Explanation: A database audit process finds no entries in server database for check label definitions used by DRM Offsite Recovery Media (ORM).

System action: Audit processing continues.

User response: Issue the audit command again and specify FIX=YES to correct the error.

ANR6742I  Audit command: Check label indicator for ORM not found - entry will be created.

Explanation: A database audit process finds no entries in server database for check label definitions used by DRM Offsite Recovery Media (ORM). Because FIX=YES has been specified for the audit command, the audit function creates an entry using the default value in the server database for the check label definitions.

System action: Audit processing continues.

User response: To override the default value, issue a SET DRMCHECKLABEL command to change the value after the audit command has completed.

ANR6743E  Audit command: File process indicator for ORM not found.

Explanation: A database audit process finds no entries in server database for file process definitions used by DRM Offsite Recovery Media (ORM).

System action: Audit processing continues.

User response: Issue the audit command again and specify FIX=YES to correct the error.

ANR6744I  Audit command: File process indicator for ORM not found - entry will be created.

Explanation: A database audit process finds no entries in server database for file process definitions used by DRM Offsite Recovery Media (ORM). Because FIX=YES has been specified for the audit command, the audit function creates an entry using the default value in the server database for the file process definitions.

System action: Audit processing continues.

User response: To override the default value, issue a SET DRMFILEPROCESS command to change the value after the audit command has completed.

ANR6745E  Audit command: DRM recovery media ID assignments are incorrect.

Explanation: A database audit process finds that the global attributes recovery media id used for server DRM activities are incorrect.

System action: Audit processing continues.
User response: Reissue the audit command with FIX=YES specified so that the DRM global attributes can be corrected.

**ANR6746I**  
_Audit command:_ DRM recovery media ID assignments are incorrect - values will be corrected.

Explanation: A database audit process finds that the global attributes recovery media ID used for server DRM activities are incorrect. Since FIX=YES has been specified on the AUDIT command, the attribute value will be corrected in the server database.

System action: Audit processing continues.
User response: None.

**ANR6747I**  
Number of volumes processed: number

Explanation: The MOVE DRMEDIA command has processed the number of volumes displayed. This message may be displayed in response to a QUERY PROCESS command for a MOVE DRMEDIA command.

System action: Server operation continues.
User response: None.

**ANR6749I**  
Command: process process ID terminated before completion - process canceled.

Explanation: The indicated background process performing the command shown has been canceled.

System action: If other processes are executing, these processes continue.
User response: None.

**ANR6750E**  
Disaster recovery manager operation command being processed is denied - server is not in compliance with license terms.

Explanation: The server refuses a disaster recovery manager operation because the current server configuration is not in compliance with the license terms.

System action: Server operation continues. Disaster recovery operations cannot be performed until the server is licensed for the Tivoli Disaster Recovery Manager product.
User response: Issue a QUERY LICENSE command to determine which license terms are not in compliance.

**ANR6751E**  
Disaster recovery manager operation command being processed is denied - server is not licensed for disaster recovery manager support.

Explanation: The server refuses a disaster recovery manager operation because the server is not licensed to support the disaster recovery manager.

System action: Server operation continues.
User response: Obtain the license to support the disaster recovery manager from your service provider or reseller. Issue the REGISTER LICENSE command with this license to enable the disaster recovery manager support.

**ANR6752W**  
_**Command being processed** is in violation of server license terms - server is not licensed for disaster recovery manager support._

Explanation: The server warns about a disaster recovery manager operation because the server is not licensed to support disaster recovery manager.

System action: Server operation continues.
User response: Obtain the license to support disaster recovery manager from your service provider or reseller. Issue the REGISTER LICENSE command with this license to enable disaster recovery manager support.

**ANR6753E**  
Command being processed encountered an internal server error while checking license compliance.

Explanation: The server encountered an internal error in determining whether the server is in compliance with license terms.

System action: Server operation continues.
User response: Issue the QUERY LICENSE and QUERY STATUS commands to determine if the server is in compliance with license terms. Start an AUDIT LICENSES process to adjust server license information. When this process completes, start the session again. If the problem persists, contact your service representative.

**ANR6754I**  
Machine machine name characteristics deleted.

Explanation: A DELETE MACHINE command has deleted the requested characteristics from the server.

System action: None.
User response: None.

**ANR6755I**  
Machine machine name recovery instructions deleted.

Explanation: A DELETE MACHINE command has deleted the requested recovery instructions from the server.

System action: None.
ANR6756E Machine machine name characteristics not defined to the server.

Explanation: A DELETE MACHINE command cannot delete the requested characteristics from the server. The characteristics for the specified machine are not defined to the server.

System action: The server operation continues, but the command has no effect.

User response: Issue the command again and specify a machine that has characteristics defined to the server.

ANR6757E Machine machine name recovery instructions not defined to the server.

Explanation: A DELETE MACHINE command cannot delete the requested recovery instructions from the server. The recovery instructions for the specified machine are not defined to the server.

System action: The server operation continues, but the command has no effect.

User response: Issue the command again and specify a machine that has recovery instructions defined to the server.

ANR6758E Command: Only one character string can be specified.

Explanation: The INSERT command is invalid. Either a characteristics string can be specified or a recovery instructions string can be specified on the command. Both types of strings cannot be specified on the command at the same time.

System action: The server does not process the command.

User response: Issue the command again and specify one valid character string.

ANR6759E Disaster recovery manager operation command being processed is denied - disaster recovery manager support is not available for server platform platform.

Explanation: The server refuses a disaster recovery manager operation because disaster recovery manager support is not available for the indicated server platform.

System action: Server operation continues.

User response: None.

ANR6760E Command: Executable command line exceeds maximum length characters for volume volume name.

Explanation: While writing to a command file, one of the following conditions occurred:

- The length of the command line written to the command file exceeds the LRECL specified for MVS or exceeds the default length for the command line written (255).
- The length of the command created after replacing the substitution variables &VOL, &VOLDSN, &NL, and &LOC exceeds the server allowable command line length (1500).

System action: The server stops processing the command.

User response: Issue the command again and specify a valid executable command with the CMD parameter.

In the case where volumes are being ejected from the library, it is possible the server database does not reflect the true state of the volume. For MOVE DRMEDIA, rerun the command after determining the cause of the error. For MOVE MEDIA, an update volume command should be issued setting the access of the volume to read only.

If this message is issued by a MOVE or QUERY DRMEDIA command and the volume record has been deleted from the server database, you can not use the MOVE or QUERY DRMEDIA commands to create the command file entry for this volume. In this case, you must manually issue the proper command.

ANR6761E Command: WHERESTATE parameter is required.

Explanation: The indicated command specifies a volume name containing a pattern matching character and the TOSTATE parameter. The WHERESTATE parameter is not specified. The specification is invalid. Pattern-matching for volume names is only allowed when the WHERESTATE parameter is specified.

System action: The server does not process the command.

User response: Reissue the command specifying a specific volume name or by specifying the WHERESTATE parameter along with the TOSTATE parameter.

ANR6762E Command: The specified destination state tostate is invalid for volume volume name in current state state.

Explanation: The indicated command specifies a destination state that is invalid for the volume name shown in the indicated current state.

System action: The server does not process the volume.
**ANR6763I**  
User response: Issue the command again and specify a valid destination state for the volume name shown.

**ANR6763I**  
Command: The specified command has been written to file 'file name'.

Explanation: The command string specified with the CMD parameter on the command shown is written to the indicated file for each volume successfully processed.

System action: None.

User response: Execute the commands written to the file.

**ANR6764E**  
command: Command file name exceeds maximum characters characters.

Explanation: The file name specified for containing the executable commands generated by DRM exceeds the maximum valid length shown.

System action: The server does not process the command.

User response: Reissue the command specifying a valid file name.

**ANR6765E**  
Command: Invalid not mountable location name - not mountable name.

Explanation: The indicated command has been entered with an invalid not mountable location name.

System action: The server does not process the command.

User response: Reissue the command with a valid not mountable location name.

**ANR6766E**  
Command: No command string is specified for FORMAT=CMD.

Explanation: The indicated command has been entered with a FORMAT=CMD to write a command string to a file, but no command string is specified.

System action: The server does not process the command.

User response: Reissue the command specifying a command string to be written to a file.

**ANR6767E**  
Command: Invalid command file name - command file name.

Explanation: The indicated command has been entered with an invalid command file name.

System action: The server does not process the command.

User response: Reissue the command with a valid command file name.

**ANR6768E**  
command: Prefix exceeds maximum characters characters.

Explanation: The prefix specified for recovery plan files or for plan instructions files exceeds the maximum valid length. The maximum valid length is shown in the message.

System action: The server does not process the command.

User response: Reissue the command specifying a valid prefix.

**ANR6769E**  
Audit command: Not mountable name information for ORM not found.

Explanation: A database audit process finds no entries in server database for not mountable location name definitions used by DRM Offsite Recovery Media (ORM).

System action: Audit processing continues.

User response: Issue the audit command again and specify FIX=YES to correct the error.

**ANR6770I**  
Audit command: Not mountable name information for ORM not found - entry will be created.

Explanation: A database audit process finds no entries in server database for not mountable location name definitions used by DRM Offsite Recovery Media (ORM). Because FIX=YES has been specified for the audit command, the audit function creates an entry using the default value in the server database for the courier name definitions.

System action: Audit processing continues.

User response: To override the default value, issue a SET DRMNOTMOUNTABLENAME command to change the value after the audit command has completed.

**ANR6771E**  
Audit command: Command file name information for ORM not found.

Explanation: A database audit process finds no entries in server database for command file name definitions used by DRM Offsite Recovery Media (ORM).

System action: Audit processing continues.

User response: Issue the audit command again and specify FIX=YES to correct the error.

**ANR6772I**  
Audit command: Command file name information for ORM not found - entry will be created.

Explanation: A database audit process finds no entries in server database for command file name definitions
used by DRM Offsite Recovery Media (ORM). Because
FIX=YES has been specified for the audit command, the
audit function creates an entry using the default value
in the server database for the command file name
definitions.

**System action:** Audit processing continues.

**User response:** To override the default value, issue a
SET DRMCMDFILENAME command to change the
value after the audit command has completed.

---

**ANR6773E** Command: Unable to open file 'command
file name' for output.

**Explanation:** An error occurred while opening the
command file name shown. The file name shown in the
message is specified with the indicated command, the
SET command, or the default name generated by the
indicated command.

**System action:** The server does not process the
indicated command.

**User response:** Examine error messages that may have
been displayed prior to this message and correct any
problems, if possible. Make sure that the server has
proper authority to write to the file indicated. In AIX,
make sure that the file name specified in the command
or in the SET command is a full path file name, not a
directory path name. In MVS, make sure that the file
name specified in the command or in the SET
command is a valid MVS file name. Reissue the
command after determining the cause of the error.

---

**ANR6774E** Command: Invalid volume transition
states - from 'specified WHERESTATE'
state to 'specified TOSTATE' state.

**Explanation:** The TOSTATE specified is an invalid
destination state for the WHERESTATE specified.

**System action:** The server does not process the
command.

**User response:** Issue the command again and specify
a valid destination state.

---

**ANR6775E** Command: Error writing to file 'file name'
for volume volume name.

**Explanation:** An error occurred while writing to the
file name shown for the indicated volume.

**System action:** The server stops processing the
command.

**User response:** Examine error messages that may have
been displayed prior to this message and correct any
problems, if possible. Make sure that the server has
proper authority to write to the file indicated. Reissue
the command after determining the cause of the error.

In the case where volumes are being ejected from the
library, it is possible the server database does not reflect
the true state of the volume. For MOVE DRMEDIA,
run the command after determining the cause of the
error. For MOVE MEDIA, an update volume command
should be issued setting the access of the volume to
read only.

If this message is issued by a MOVE or QUERY
DRMEDIA command and the volume record has been
deleted from the server database, you can not use the
MOVE or QUERY DRMEDIA commands to create the
command file entry for this volume. In this case, you
must manually issue the proper command.

---

**ANR6776E** Command: Could not delete file: file name

**Explanation:** The indicated command failed but the
file created could not be deleted.

**System action:** None.

**User response:** Delete the file shown.

---

**ANR6777E** Command: Command file 'file name'
already in use.

**Explanation:** The command indicated references a
command file name that is in use. The command file
name shown is selected for use by the server in the
following order:

- The file name specified on the indicated command.
- The file name specified on the SET command.
- The file name generated by the server (AIX only).

**System action:** The server does not process the
command.

**User response:** Reissue the command at a later time
or reissue the command specifying a different
command file name.

---

**ANR6778E** Command: Volume volume name not
processed: device type device type not
supported.

**Explanation:** The indicated volume is not processed
because the device type shown is not supported by the
function.

**System action:** The indicated volume is not processed.

**User response:** None.

---

**ANR6779E** Disaster recovery manager operation
command being processed is denied -
disaster recovery manager support is not
available for server platform.

**Explanation:** The server refuses a disaster recovery
manager operation because disaster recovery manager
support is not available for the server platform.

**System action:** Server operation continues.

**User response:** None.
ANR6780E  Audit command: An invalid recovery plan file expiration days encountered.

Explanation: A database audit process encounters an invalid value for recovery plan file expiration days.

System action: Audit processing continues.

User response: Issue the command again and specify FIX=YES to correct the expiration days. Or, issue an SET DRMRPFEXPIREDAYS command and specify a new expiration days value.

ANR6781I  Audit command: An invalid recovery plan file expiration days encountered - the default value will be set.

Explanation: A database audit process encounters an invalid value for recovery plan file expiration days. Because FIX=YES has been specified, the audit function sets the expiration days value to the default value.

System action: Audit processing continues.

User response: To override the default value, issue a SET DRMRPFEXPIREDAYS command to change the value after the audit command has completed.

ANR6782E  Audit command: Recovery plan file expiration days not found.

Explanation: A database audit process finds no entries in server database for recovery plan file expiration days definitions.

System action: Audit processing continues.

User response: Issue the audit command again and specify FIX=YES to correct the error.

ANR6783I  Audit command: Recovery plan file expiration days not found - entry will be created.

Explanation: A database audit process finds no entries in server database for recovery plan file expiration days definitions. Because FIX=YES has been specified for the audit command, the audit function creates an entry using the default value in the server database for the recovery plan file expiration days definitions.

System action: Audit processing continues.

User response: To override the default value, issue a SET DRMRPFEXPIREDAYS command to change the value after the audit command has completed.

ANR6784I  Number of volumes processed: number volumes processed. Volumes sent to library library name for checkout: number volumes sent.

Explanation: The MOVE DRMEDIA command has processed the number of volumes shown. Currently, the
ANR6903I  Cancel in progress.
Explanation: The PREPARE command has been canceled and will end when resources have been freed for the background process. This message may be displayed in response to a QUERY PROCESS command for a PREPARE command.
System action: Server operation continues.
User response: None.

ANR6904I  Sending recovery plan file to target server.
Explanation: The PREPARE command is sending the recovery plan file to the target server. This message may be displayed in response to a QUERY PROCESS command for a PREPARE command.
System action: Server operation continues.
User response: None.

ANR6905I  Command: Recovery plan file RPF volume name was created. Specified device class device class name.
Explanation: The recovery plan file was created on the target server.
System action: Server operation continues.
User response: None.

ANR6906W  Command: No volumes with active data exist in the active-data storage pool storage pool name.
Explanation: An active-data storage pool does not contain any volumes with usable data.
System action: Stanzas in the recovery plan do not include recovery information for any volumes in the storage pool.
User response: Determine why this storage pool has no volumes with usable data.

ANR6915W  Command: Storage pool storage pool name storage pool type is not defined to the server.
Explanation: A storage pool that is not defined to the server was specified by SET DRMPRIMSTGPOOL, SET DRMCOPYSTGPOOL, or on the PREPARE command line.
System action: Stanzas in the recovery plan do not include recovery information for the storage pool.
User response: Correct the storage pool specification or define the storage pool to the server.

ANR6916W  Command: No copy storage pools are defined.
Explanation: The server has no copy storage pools defined.
System action: Recovery plan file will not contain copy storage pool information.
User response: Define copy storage pools in the server.

ANR6918W  Command: Recovery instructions file file name not found.
Explanation: A source file for recovery instructions was not found.
System action: The recovery plan will not contain recovery instructions.
User response: To get recovery instructions in the recovery plan, ensure the corresponding instructions source file exists. If it does, check authorizations to the file.

ANR6920W  Command: Volume volume name is not valid for server device type device type. Original volume name: volume name. Stanza is stanza name.
Explanation: Appending the replacement volume name postfix (as defined with SET DRMPLANVPOSTFIX) to the original volume name
has created a name that is not valid for the server device type shown.

**System action:** Replacement volume name is used in the recovery plan stanza.

**User response:** Devise a naming convention that allows the use of the replacement volume name postfix or at restore time manually update the generated recovery plan with a legal replacement name. For additional information and related commands, refer to the Administrator’s Reference for your particular platform.

![ANR6921W](ANR6921W)

**Explanation:** The Prepare command cannot open the specified server options file.

**System action:** VOLHISTORY and DEVCONFIG options are added to the recovery plan file stanza DSMSERV.OPT.FILE.

**User response:** None.

![ANR6922W](ANR6922W)

**Explanation:** The machine information has not been saved in the server data base.

**System action:** The recovery plan file does not contain the machine and recovery media information stanzas.

**User response:** If you want to include the machine information in the recovery plan file, issue the DEFINE MACHINE command to save the machine information in the server data base and reissue the PREPARE command.

![ANR6923W](ANR6923W)

**Explanation:** No recovery media has been defined to the server for the specified machine.

**System action:** The recovery plan file does not contain the machine recovery media stanza.

**User response:** If you want to include the machine recovery media information in the recovery plan file, issue the DEFINE RECOVERYMEDIA command. Reissue the PREPARE command after the appropriate commands have been issued to define the recovery media. For additional information and related commands, refer to the Administrator’s Reference for your particular platform.

![ANR6924W](ANR6924W)

**Explanation:** No recovery instructions have been defined to the server for the specified machine.

**System action:** The recovery plan file does not contain the machine recovery instructions stanza.

**User response:** If you want to include the machine recovery instructions in the recovery plan file, issue the INSERT command. Reissue the PREPARE command after the appropriate commands have been issued to define the recovery media. For additional information and related commands, refer to the Administrator’s Reference for your particular platform.

![ANR6925W](ANR6925W)

**Explanation:** No characteristics have been defined to the server for the specified machine.

**System action:** The recovery plan file does not contain the machine characteristics stanza.

**User response:** If you want to include the machine characteristics in the recovery plan file, issue the INSERT command. Reissue the PREPARE command after the appropriate commands have been issued to define the recovery media. For additional information and related commands, refer to the Administrator’s Reference for your particular platform.

![ANR6926W](ANR6926W)

**Explanation:** Appending the replacement volume name postfix (as defined with SET DRMPLANVPOSTFIX) to the original volume name has created a name that is not valid for the server device type shown.

**System action:** Replacement volume name is used in the recovery plan stanza.

**User response:** Devise a naming convention that allows the use of the replacement volume name postfix or at restore time manually update the generated recovery plan with a legal replacement name. For additional information and related commands, refer to the Administrator’s Reference for your particular platform.

![ANR6927W](ANR6927W)

**Explanation:** A SET DRMPRIMSTGPOOL or the PREPARE command specified a primary storage pool that is used for backing up NAS file servers, using
NDMP. DRM does not manage a storage pool with this data format.

**System action:** Stanzas in the recovery plan do not include recovery information for the storage pool.

**User response:** Correct the storage pool specification.

**ANR6928W**  
**Command:** No eligible primary storage pools match the specified storage pool name storage pool name.

**Explanation:** The storage pool specified by the SET DRMPRIMSTGPOOL or on PREPARE command does not match any eligible primary storage pool. Possible reasons include:

- Primary storage pools were not defined.
- Primary storage pools were defined, but their data formats are for NAS file servers, or their device classes use the CENTERA device type.
- The name specified does not match eligible primary storage pool names.

**System action:** Stanzas in the recovery plan do not include recovery information for the storage pools.

**User response:** Correct the storage pool specification or define eligible storage pools to the server.

**ANR6929W**  
**Command:** No eligible primary storage pools are defined to the server.

**Explanation:** The server has no eligible primary storage pools defined.

**System action:** Recovery plan file will not contain primary storage pool information.

**User response:** Define eligible primary storage pools to the server.

**ANR6930W**  
**Command:** Primary storage pool storage pool name, whose device class uses the CENTERA device type, is not managed by DRM.

**Explanation:** The SET DRMPRIMSTGPOOL or the PREPARE command specified a primary storage pool whose device class uses the CENTERA device type. DRM does not manage storage pools that use the CENTERA device type.

**System action:** Stanzas in the recovery plan do not include recovery information for the storage pool.

**User response:** Correct the storage pool specification.

**ANR6937E**  
**Command:** parameter name parameter not allowed from the command line.

**Explanation:** The parameter shown is not allowed from the command line interface.

**ANR6938I**  
**Command:** No information found for stanza stanza name.

**Explanation:** No information found for recovery plan file stanza shown.

**System action:** The server does not display the information for the stanza.

**User response:** None.

**ANR6939E**  
**Command:** Invalid recovery plan file stanza name.

**Explanation:** The specified recovery plan file stanza name is invalid.

**System action:** The server does not process the command.

**User response:** Issue the command again and specify a valid recovery plan file stanza name.

**ANR6940E**  
**Command:** command command not allowed from server console.

**Explanation:** The indicated command is not allowed to be issued from the server console.

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

**User response:** Reissue the command from an administrator using an Administrative Client.

**ANR6941E**  
Query recovery plan file content is waiting for mount point in device class device class name.

**Explanation:** Query recovery plan file content has begun to wait for a mount point that can be used for a volume in the device class shown.

**System action:** The function waits for the mount point.

**User response:** Respond to any mount requests.

**ANR6942E**  
Query recovery plan file content is waiting for access to input volume volume name.

**Explanation:** Query recovery plan file content has begun to wait for availability of the input volume shown.

**System action:** The function waits for the volume to become available.

**User response:** None.
ANR6943E  Query recovery plan file content is waiting for mount of input volume volume name.

Explanation: Query recovery plan file content has begun to wait for the mount of the input volume shown.
System action: The function waits for mount.
User response: Respond to any mount requests.

ANR6944E  Command: Invalid recovery plan file name - recovery plan file name.

Explanation: The recovery plan file name specified in the command is invalid.
System action: The server does not process the command.
User response: Issue the command again and specify a valid recovery plan file name.

ANR6945E  Command: Cannot find file space name for recovery plan file recovery plan file name.

Explanation: The server cannot find the file space (ADSM.SERVER) for recovery plan file specified in the server.
System action: The retrieve operation ends, and the server operation continues.
User response: Issue QUERY FILESPACE command on the target server to see if there is any file spaces created for the recovery plan file. The file space name for the recovery plan file is ADSM.SERVER.

ANR6946E  Command: Retrieve failed for recovery plan file name - error on input storage device.

Explanation: The server ends an retrieve operation because an I/O error has been encountered by the server in reading from a device.
System action: The retrieve operation ends, and the server operation continues.
User response: Query the activity log to find messages preceding this one that specify the device that is failing. The server may need to be shut down with the HALT command to correct the hardware problem.

ANR6947E  Command: Data storage retrieve failed for recovery plan file name - error detected.

Explanation: The server ends the retrieve operation because an error has been encountered on the server. Some common reasons for the error are:
• Data is corrupted on the input volume
• Hardware or media failure has occurred

• Database corruption
System action: The retrieve operation ends, and the server operation continues.
User response: Examine any prior error messages to determine the source of the error. Use the QUERY ACTLOG command to view the activity log and search for messages if needed. Correct the problem and try the restore or retrieve again. You can also refer to the Problem Determination Guide for problem determination hints and information. If retry of the operation continues to fail contact your service representative.

ANR6948E  Command: Cannot find the recovery plan file for Recovery plan file name.

Explanation: The server cannot find the specified recovery plan file.
System action: The server does not process the command.
User response: Issue the command again and specify a valid recovery plan file name. Use the QUERY RPFILE command to view the name of the recovery plan file that you are interested in displaying its content.

ANR6949E  Command: No matching device class defined.

Explanation: The device class specified in the command does not match any device class defined to the server.
System action: The server does not process the command.
User response: Issue the command again and specify a valid device class.

ANR6950E  Command: The recovery plan file was not created.

Explanation: Due to a processing error, a recovery plan file was not created.
System action: Recovery plan file not created.
User response: Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Reissue the command, after determining the cause of the error.

ANR6951E  Command: Recovery plan file file name was not created.

Explanation: Due to a processing error, a recovery plan file was not created.
System action: Recovery plan file not created.
User response: Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Reissue the command, after determining the cause of the error.
problems, if possible. Make sure that the server has proper authority to write to the file indicated and that there is sufficient space in the file system for the file. Reissue the command, after determining the cause of the error.

**ANR6952E**  
**Command:** File name file name already exists.  
**Explanation:** File already exists.  
**System action:** None.  
**User response:** Determine why file already exists. If possible, delete it. Reissue the command, after determining the cause of the error.

**ANR6953E**  
**Command:** File write error.  
**Explanation:** An error occurred while writing to the recovery plan file.  
**System action:** The recovery plan file was not created.  
**User response:** Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Make sure that there is sufficient space in the file system for the file. Reissue the command after determining the cause of the error.

**ANR6954E**  
**Command:** Unable to open file 'file name' for output.  
**Explanation:** An error occurred while opening the recovery plan file for output.  
**System action:** The recovery plan file was not created.  
**User response:** Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Make sure that the server has proper authority to write to the file indicated. Reissue the command after determining the cause of the error.

**ANR6959E**  
**Command:** Plan instructions prefix 'instructions prefix' is not valid.  
**Explanation:** The prefix specified for recovery instructions is not valid.  
**System action:** The recovery plan file was not created.  
**User response:** Reissue the command specifying a valid prefix.

**ANR6960E**  
**Command:** Recovery plan prefix 'plan prefix ' is not valid.  
**Explanation:** The prefix specified for the recovery plan file is too long.  
**System action:** The recovery plan file was not created.  
**User response:** Reissue the command specifying a valid prefix.

**ANR6962E**  
**Command:** Query database failed.  
**Explanation:** A server database query error occurred. This message always accompanies another error message and provides more detail about that error.  
**System action:** The recovery plan file was not created.  
**User response:** Issue a QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR6963E**  
**Command:** Query log failed.  
**Explanation:** A server database query error occurred. This message always accompanies another error message and provides more detail about that error.  
**System action:** The recovery plan file was not created.  
**User response:** Issue a QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR6964E**  
**Command:** Query storage pool failed.  
**Explanation:** A server database query error occurred. This message always accompanies another error message and provides more detail about that error.  
**System action:** The recovery plan file was not created.  
**User response:** Issue a QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR6965E**  
**Command:** Query volume failed.  
**Explanation:** An server database query error occurred. This message always accompanies another error message and provides more detail about that error.  
**System action:** The recovery plan file was not created.  
**User response:** Issue a QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

**ANR6966E**  
**Command:** Query database volume failed.  
**Explanation:** A server database query error occurred. This message always accompanies another error message and provides more detail about that error.  
**System action:** The recovery plan file was not created.  
**User response:** Issue a QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.
ANR6967E  Command: Query log volume failed.
Explanation: A server database query error occurred. This message always accompanies another error message and provides more detail about that error.
System action: The recovery plan file was not created.
User response: Issue a QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR6972E  Command: Query machine failed.
Explanation: A server machine query error occurred. This message always accompanies another error message and provides more detail about that error.
System action: The recovery plan file was not created.
User response: Issue a QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR6968E  Command: Query volume history failed.
Explanation: An server database query error occurred. This message always accompanies another error message and provides more detail about that error.
System action: The recovery plan file was not created.
User response: Issue a QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR6973E  Command: Query recovery media failed.
Explanation: A server recovery media query error occurred. This message always accompanies another error message and provides more detail about that error.
System action: The recovery plan file was not created.
User response: Issue a QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR6969E  Command: Query device class failed.
Explanation: An server database query error occurred. This message always accompanies another error message and provides more detail about that error.
System action: The recovery plan file was not created.
User response: Issue a QUERY ACTLOG command to view the activity log and search for messages. If the error cannot be isolated and resolved, contact your service representative.

ANR6974E  Command: Unable to open file file name.
Explanation: An error occurred while PREPARE was attempting to open the local recovery plan file copy in order to send it to the target server.
System action: The recovery plan file is not stored on the target server.
User response: Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Reissue the command after determining the cause of the error.

ANR6970E  Command: A recovery plan file is already being created.
Explanation: The server command processor will not start a background process to execute another PREPARE command.
System action: The command process ends and server operation continues.
User response: Reissue the command after the first PREPARE command has completed.

ANR6975E  Command: Unable to read file file name.
Explanation: An error occurred while PREPARE was attempting to read the local recovery plan file copy in order to send it to the target server.
System action: The recovery plan file is not stored on the target server.
User response: Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Reissue the command after determining the cause of the error.

ANR6971E  Command: Could not delete plan file plan file name.
Explanation: Prepare command failed but the plan file created could not be deleted.
System action: None.
User response: Delete the plan file.

ANR6976E  Command: The recovery plan file was not stored on another server and the local copy file name cannot be deleted.
Explanation: Due to a processing error, a recovery plan file was not stored on target server and the local copy of the plan file cannot be deleted.
System action: PREPARE processing ends.
Examine error messages that may have been displayed prior to this message and correct any problems, if possible. After determining the cause of the error, re-issue the PREPARE command and delete the local recovery plan file.

**ANR6977E**  
**Command:** Device class name device class name exceeds maximum characters characters.  
**Explanation:** The command shown has been entered and specifies a device class name that is too long. The maximum valid length for a device class name is shown in the message.  
**System action:** The server does not process the command.  
**User response:** Reissue the command specifying a valid device class name.

**ANR6978E**  
**Command:** Invalid device class device class name.  
**Explanation:** The specified device class cannot be used by the command shown. Possible reasons include:  
- The device class is not defined.  
- The device class is defined but not of type SERVER.  
- The name specified is an invalid device class name.  
**System action:** The server does not process the command.  
**User response:** Reissue the command with a valid device class.

**ANR6979E**  
**Command:** Recovery plan file was not created. Specified device class device class name.  
**Explanation:** A recovery plan file cannot be not created using the specified device class.  
**System action:** Recovery plan file not created.  
**User response:** Examine error messages that may have been displayed prior to this message and correct any problems, if possible. Reissue the command, after determining the cause of the error.

**ANR6980E**  
**Command:** Prefix prefix exceeds maximum characters characters.  
**Explanation:** The command shown has been entered and specifies a plan or instructions prefix that is too long. The maximum valid length is shown in the message.  
**System action:** The server does not process the command.  
**User response:** Reissue the command specifying a shorter prefix.

**ANR6984E**  
**Command:** Out of space on sequential media, scratch media could not be mounted. Specified device class device class name; maximum capacity: number of bytes bytes.  
**Explanation:** During command PREPARE processing, the process encounters an out-of-space condition writing to the sequential media. Command PREPARE ends when there is no more space on the sequential media for storing data.  
**System action:** Command PREPARE processing ends. Server processing continues.  
**User response:** Increase the device class maximum capacity and reissue the PREPARE command. If an object was created on the target server, issue the RECONCILE VOLUMES FIX=YES to delete the object from the target server.

**ANR6985E**  
**Command:** Error encountered in accessing data storage - volume already in use.  
**Explanation:** During command command processing, a volume cannot be used because it is already defined in a storage pool, or has been previously used by an export, database dump, database backup, or DRM prepare operation or is in use by another process.  
**System action:** The command command operation is ended and server operation continues.  
**User response:** Re-issue the PREPARE command.

**ANR6986E**  
**Command:** The DELETELATEST parameter is only valid for volume history types RPFILE or RPSNAPSHOT.  
**Explanation:** The command failed because an invalid volume history type was specified for the TYPE= parameter.  
**System action:** The command fails, and server operation continues.  
**User response:** Re-issue the command and specify a valid type value.

**ANR7800I (AIX)** DSMSERV generated at time on date.  
**Explanation:** The server module was generated at the indicated date and time.  
**System action:** Server operation continues.  
**User response:** None.
ANR7800I (HP-UX)  DSMSERV generated at time on date.
Explanation: The server module was generated at the indicated date and time.
System action: Server operation continues.
User response: None.

ANR7801I (Linux)  DSMSERV generated at time on date.
Explanation: The server module was generated at the indicated date and time.
System action: Server operation continues.
User response: None.

ANR7801I (Solaris)  DSMSERV generated at time on date.
Explanation: The server module was generated at the indicated date and time.
System action: Server operation continues.
User response: None.

ANR7801I (Windows)  DSMSERV generated at time on date.
Explanation: The server module was generated at the indicated date and time.
System action: Server operation continues.
User response: None.

ANR7801I (AIX)  Subsystem process ID is process identifier.
Explanation: The server process has the indicated process identifier.
System action: Server operation continues.
User response: None.

ANR7802E (AIX)  Shared memory segments for a server running in the current directory already exist. The -F parameter can be used to overwrite.
Explanation: Shared memory segments are created for each instance of the server based on the current directory. This message indicates that the shared memory segments already exist. A server is presently running from the current directory or a server running from the current directory ended abnormally.
System action: The server terminates.
User response: If the server running in the current directory terminated abnormally, start dsmserv with the -F parameter to force the existing shared memory segments to be overwritten. If you want to run multiple instances of the server, each instance must be run from a separate directory with a separate dsmserv.dsk file and have separate log, database, and storage volumes.

ANR7803E (AIX)  Attempt to overwrite a shared memory segment, as directed with the -F parameter, FAILED.
Explanation: The server has been started with the -F parameter and unsuccessfully attempted to overwrite existing shared memory segments. This error occurs when the user that starts the server with -F parameter is not the owner of the shared memory segments and lacks the required authority.
System action: Server terminates.
User response: Resolve the authorization problem and restart the server.

ANR7804E (AIX)  Error reason.
Explanation: The server attempted to open, lock, or write to the specified file. The open, lock, or write operation failed. These are some common reasons for the failure. Another server is already running from this directory and has the file open or locked. The instance user ID does not have enough write access to the file. The file system is full.
System action: Server terminates.
User response: Examine the contents of the lock file. The process ID for the server that is running is recorded in this file. Two servers cannot be started from the same directory. You can remove the lock file and attempt to start the server only if the recorded process ID is not currently running dsmserv. The 'ps -e' AIX command can be used to display processes that are currently running. Check the permissions of the directory and file system and ensure that there is appropriate permission for the instance user ID to write to the file. Check that there is enough space in the file system.

System action: Server terminates.

User response: Examine the contents of the lock file. The process ID for the server that is running is recorded in this file. Two servers cannot be started from the same directory. You can remove the lock file and attempt to start the server only if the recorded process ID is not currently running dsmserv. The 'ps -e' command can be used to display processes that are currently running. Check the permissions of the directory and file system and ensure that there is appropriate permission for the instance user ID to write to the file. Check that there is enough space in the file system.

System action: Server terminates.

User response: Examine the contents of the lock file. The process ID for the server that is running is recorded in this file. Two servers cannot be started from the same directory. You can remove the lock file and attempt to start the server only if the recorded process ID is not currently running dsmserv. The 'ps -e' command can be used to display processes that are currently running. Check the permissions of the directory and file system and ensure that there is appropriate permission for the instance user ID to write to the file. Check that there is enough space in the file system.

System action: Server terminates.

User response: Examine the contents of the lock file. The process ID for the server that is running is recorded in this file. Two servers cannot be started from the same directory. You can remove the lock file and attempt to start the server only if the recorded process ID is not currently running dsmserv. The 'ps -e' command can be used to display processes that are currently running. Check the permissions of the directory and file system and ensure that there is appropriate permission for the instance user ID to write to the file. Check that there is enough space in the file system.

System action: Server terminates.

User response: Examine the contents of the lock file. The process ID for the server that is running is recorded in this file. Two servers cannot be started from the same directory. You can remove the lock file and attempt to start the server only if the recorded process ID is not currently running dsmserv. The 'ps -e' command can be used to display processes that are currently running. Check the permissions of the directory and file system and ensure that there is appropriate permission for the instance user ID to write to the file. Check that there is enough space in the file system.
directory. Please note that the name for the logical volume as defined in SMIT is represented in the /dev directory with a leading 'r' character (for example, a raw volume defined in SMIT as dsmstg1 will be represented in the /dev directory as the file /dev/rdsmstg1).

You may use the AIX 'ps -e' command to determine if other dsmserv processes are running. You may remove the temporary lock files and attempt to re-start the server ONLY if there are no other dsmserv processes running.

ANR7805E (Linux)  Volume volume name is in use by another server.

Explanation: The server has attempted to open a disk volume but has discovered that the volume is in use by another server.

System action: The open operation fails for the volume.

User response: To prevent concurrent RAW volume access by more than one server, files are created in the /tmp directory to 'lock' these volumes. The names of these temporary files are /tmp/adsm.disk.dev.<volumename> where <volumename> is the name of the RAW volume defined in the /dev directory. Please note that the name for a RAW logical volume as defined in Solaris is in the /dev directory with a leading 'r' character (for example, a raw volume defined in Solaris on a regular SCSI drive as dsk/c0t0d0s0 will be represented in the /dev directory as the file /dev/rdsk/c0t0d0s0). For a REGULAR DISK volume, the server automatically locks/unlocks a volume. Different linked file names pointing to the same volume will cause this message since the server locks the linked volume, not the link name itself.

You may use the Solaris 'ps -ef | grep dsmserv' command to determine if other dsmserv processes are running. You may remove the temporary lock files for RAW volumes and attempt to re-start the server ONLY if there are no other dsmserv processes running.

ANR7806W (AIX)  Unable to open file file.

Explanation: The server was unable to open the indicated file.

System action: The operation that was to use the indicated file fails. A subsequent unnumbered message had details from the system.

User response: Determine the reason for being unable to open the file and re-attempt the operation. Common reasons for being unable to open the file include providing the wrong name, having insufficient authorization to open the file and not being the file's owner.

ANR7806W (HP-UX)  Unable to open file file.

Explanation: The server was unable to open the indicated file.

System action: The operation that was to use the indicated file fails. A subsequent unnumbered message had details from the system.

User response: Determine the reason for being unable to open the file and re-attempt the operation. Common reasons for being unable to open the file include providing the wrong name, having insufficient authorization to open the file and not being the file's owner.

ANR7806W (Linux)  Unable to open file file.

Explanation: The server was unable to open the indicated file.

System action: The operation that was to use the indicated file fails. A subsequent unnumbered message had details from the system.

User response: Determine the reason for being unable to open the file and re-attempt the operation. Common reasons for being unable to open the file include providing the wrong name, having insufficient authorization to open the file and not being the file's owner.
ANR7806W (Solaris) Unable to open file file.
Explanation: The server was unable to open the indicated file.
System action: The operation that was to use the indicated file fails. A subsequent unnumbered message had details from the system.
User response: Determine the reason for being unable to open the file and re-attempt the operation. Common reasons for being unable to open the file include providing the wrong name, having insufficient authorization to open the file and not being the file's owner.

ANR7807W (Solaris) Unable to get information for file file.
Explanation: The server was unable to get information about the indicated file.
System action: The operation that was to use the indicated file fails. A subsequent, unnumbered message has details from the system.
User response: Determine the reason for being unable to access the file and re-attempt the operation. Common reasons for being unable to access the file include providing the wrong name, having insufficient authorization to open the file, not being the file's owner, or too many soft links to the file. If trying to access a RAW partition, the server must be started with superuser privileges.

ANR7807W (Windows) Sun Microsystems Library Attach module module name has been loaded.
Explanation: The module indicated has been successfully loaded. Operations involving this module may now be performed by the server.
System action: The server now supports ACSLS functions that depend on this module.
User response: None.

ANR7808W (AIX) root user authority required for non-default scheduling policy.
Explanation: The server was unable to use the scheduling policy specified in the options file. The server must be running with root authority to use any scheduling policy other than the default.
System action: Operation continues but with the default scheduling policy.
User response: Run the server with root authority or don't specify a scheduling policy in the options file.

Explanation: The server attempted to load the Library Attach module. However, this module is not installed to the system.

System action: Server operation continues, but without ACSLS function.

User response: Ensure that the Library Attach module is installed to the system.

Explanation: All threads in the server will use the specified scheduling policy.

System action: Operations continue.

User response: None

Explanation: The server cannot create a new child thread.

System action: Server processing continues. Other error messages from the server component are displayed.

User response: Ensure that sufficient paging space is available for AIX. If the server has been started from a non-root user ID, ensure that the AIX process limit per user is sufficient for the server. The server requires approximately 24 processes, in addition to one process per client session, and one process for each background operation. Each thread started by the server is an AIX process. To change the number of processes per user, use the SMIT menus for System Environment, and choose Change / Show Characteristics of Operating System. You may also use SMIT to determine if the number of applications is causing a memory shortage. It may be necessary to decrease the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

Explanation: Unable to start console input thread.

System action: Server operation stops.

User response: See other issued messages.

Explanation: The server is operating out of the indicated directory.

System action: Server processing continues.

User response: None

Explanation: The server is unable to allocate enough memory for console initialization.

System action: Server operation stops.

User response: Ensure that there is sufficient paging space for HP-UX. It may be necessary to reduce the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

Explanation: The server is unable to allocate enough memory for console initialization.

System action: Server operation stops.

User response: Ensure that there is sufficient paging space. It may be necessary to reduce the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

Explanation: The server is unable to allocate enough memory for console initialization.

System action: Server operation stops.

User response: See other issued messages.

Explanation: The server is unable to allocate enough memory for console initialization.

System action: Server operation stops.

User response: Ensure that there is sufficient paging space for Sun Solaris. It may be necessary to reduce the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.
ANR7812E (HP-UX) Insufficient memory to buffer console input. The following input line was discarded: discarded console input.

Explanation: An error occurs during an attempt to allocate a buffer to hold the specified console input.

System action: The console input is discarded.

User response: Ensure that there is sufficient paging space for HP-UX. It may be necessary to reduce the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

ANR7812E (Linux) Insufficient memory to buffer console input. The following input line was discarded: discarded console input.

Explanation: An error occurs during an attempt to allocate a buffer to hold the specified console input.

System action: The console input is discarded.

User response: Ensure that there is sufficient paging space. It may be necessary to reduce the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

ANR7812E (Solaris) Insufficient memory to buffer console input. The following input line was discarded: discarded console input.

Explanation: An error occurs during an attempt to allocate a buffer to hold the specified console input.

System action: The console input is discarded.

User response: Ensure that there is sufficient paging space for Sun Solaris. It may be necessary to reduce the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

ANR7813W (AIX) The server mode-bit server is not supported on a kernel mode-bit kernel.

Explanation: The 32-bit server is supported only when running with the 32-bit kernel, and the 64-bit server is supported only when running the 64-bit kernel.

System action: Server processing continues.

User response: You must match the server mode with the kernel mode by either switching the kernel mode or installing the correct server fileset.

ANR7813W (Linux) Unable to create a new child thread.

Explanation: The server cannot create a new child thread.

System action: Server processing continues. Other error messages from the server component are displayed.

User response: Ensure that sufficient swap space is available for Solaris. The amount of swap available can be obtained by executing `swap -l`. If the number of free blocks is low, you can add swap files while the system is running by executing `mkfile` and then `swap -a`. See the Solaris man pages on `mkfile` and `swap` for more details.

If the server has been started from a non-root user ID, ensure that the process limit per user is sufficient to accommodate the server. You can tune the `maxusers=##` parameter in the `/etc/system` file to increase the number of number of users that can be on the system at one time. This will also force the kernel to allocate more memory/swap for user-processes.

A system reboot with the `reconfigure` option is required for the new user settings to take effect. It may be necessary to decrease the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

ANR7813W (Solaris) Unable to create a new child thread.

Explanation: The server cannot create a new child thread.

System action: Server processing continues. Other error messages from the server component are displayed.

User response: Ensure that sufficient swap space is available for Solaris. The amount of swap available can be obtained by executing `swap -l`. If the number of free blocks is low, you can add swap files while the system is running by executing `mkfile` and then `swap -a`. See the Solaris man pages on `mkfile` and `swap` for more details.

If the server has been started from a non-root user ID, ensure that the Solaris process limit per user is sufficient for the server. You can tune the `maxusers=##` parameter in the `/etc/system` file to increase the number of number of users that can be on the system at one time. This will also force the kernel to allocate more memory/swap for user-processes. A system reboot with the `reconfigure` option is required for the new user settings to take effect. It may be necessary to decrease the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

ANR7814I (HP-UX) Using instance directory instance directory.

Explanation: The server is operating out of the indicated directory.

System action: Server processing continues.

User response: None.
<table>
<thead>
<tr>
<th>ANR7814I (Linux)</th>
<th>ANR7814I (Solaris)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The server is operating out of the indicated directory.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Server processing continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
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<td>The server is operating out of the indicated directory.</td>
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<tr>
<td><strong>System action:</strong></td>
<td>Server processing continues.</td>
</tr>
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<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR7820E (AIX)</th>
<th>Insufficient memory to buffer console input; the following input line was discarded: discarded console input.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>An error occurs during an attempt to allocate a buffer large enough to read console input.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The console input is discarded.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Ensure that sufficient paging space is available for AIX. You may also use SMIT to determine if the number of applications is causing a memory shortage. It may be necessary to decrease the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>ANR7820S (HP-UX)</th>
<th>Server thread thread ID terminated in response to program abort.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The thread has ended due to a program abort.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The server completes termination processing.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Note the associated messages and contact your service representative.</td>
</tr>
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<table>
<thead>
<tr>
<th>ANR7820S (Windows)</th>
<th>Insufficient Space Available for file file name.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The server was attempting to create a file with the indicated name. There was insufficient space for the file on the disk.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>Server processing continues. The file creation request fails.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Free additional space on the drive to accommodate the file, specify a file name on a drive with sufficient space, or change the space request to a value consistent with the drive. Retry the operation.</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>ANR7821I (HP-UX)</th>
<th>Server thread thread ID terminated in response to external signal.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The thread has ended due to an external signal.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The server completes termination processing.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR7821I (Linux)</th>
<th>Thread thread ID terminated in response to external signal.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The thread has ended due to an external signal.</td>
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<tr>
<td><strong>System action:</strong></td>
<td>The server completes termination processing.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
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<tr>
<td><strong>System action:</strong></td>
<td>The server completes termination processing.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>
ANR7821W (Windows)  Unable to create directory when creating volume file name.

Explanation:  The server was attempting to create a file with the indicated name. A new directory was being created as well, but its creation failed.

System action:  Server processing continues. The file creation request fails.

User response:  Specify a file name in an existing directory or change the name request to specify a different directory name.

ANR7822E (AIX)  Error creating console input thread.

Explanation:  Unable to start console input thread.

System action:  Server operation stops.

User response:  See other issued messages.

ANR7822I (HP-UX)  Server thread thread ID terminated in response to server shutdown.

Explanation:  The thread has ended due to a server shutdown.

System action:  The server completes termination processing.

User response:  None.

ANR7822I (Linux)  Thread thread ID terminated in response to server shutdown.

Explanation:  The thread has ended due to a server shutdown.

System action:  The server completes termination processing.

User response:  None.

ANR7822I (Solaris)  Server thread thread ID terminated in response to server shutdown.

Explanation:  The thread has ended due to a server shutdown.

System action:  The server completes termination processing.

User response:  None.

ANR7822W (Windows)  File Already exists when creating volume file name.

Explanation:  The server was attempting to create a file with the indicated name. The file already exists.

System action:  Server processing continues. The file creation request fails.

User response:  Specify a new file name. The server will not use an existing file name when creating a file.

ANR7823E (AIX)  Insufficient memory for console initialization.

Explanation:  Unable to allocate enough memory for console initialization.

System action:  Server operation stops.

User response:  Ensure that sufficient paging space is available for AIX. You may also use SMIT to determine if the number of applications is causing a memory shortage. It may be necessary to decrease the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

ANR7823S (Linux)  Internal error detected.

Explanation:  An internal error is detected during server initialization or operation.

System action:  Server operation stops.

User response:  Review additional information that is available for this message in one of the following locations:

- The problem determination section in the Tivoli Storage Manager Information Center:
  Find relevant information by entering the message number in the Search field and selecting from topics in the search results.

- Tivoli Storage Manager Problem Determination Guide, a book in PDF format that is available for download from the IBM Publications Center:

ANR7823W (Windows)  Unable to create file file name.

Explanation:  The server was attempting to create a file with the indicated name. The system reported an error in creating the file.

System action:  The server continues processing. The file creation request fails.

User response:  Specify a new file name.

ANR7824E (AIX)  Error loading Async I/O support module.

Explanation:  The server attempted to load the Async I/O support module, but the load failed. Refer to accompanying error message for details on the load failure.

System action:  Server operation continues, but without Async I/O support.

User response:  Ensure that the correct support
module exists in the server bin directory and that the
aio subsystem has been configured on AIX, and that
AIX was rebooted after the configuration.

---

**ANR7824S (HP-UX) Server operation terminated.**

**Explanation:** An error occurs that causes server
operation to stop.

**System action:** Server operation stops.

**User response:** Contact your service representative.

---

**ANR7824S (Linux) Server operation terminated.**

**Explanation:** An error occurs that causes server
operation to stop.

**System action:** Server operation stops.

**User response:** Contact your service representative.

---

**ANR7824S (Solaris) Server operation terminated.**

**Explanation:** An error occurs that causes server
operation to stop.

**System action:** Server operation stops.

**User response:** Contact your service representative.

---

**ANR7824W (Windows) Unable to write volume file
name.**

**Explanation:** The server was attempting to create a file
with the indicated name. The attempt failed with the
indicated return code. The return code is an internal
code from the server.

**System action:** The server continues processing. The
file creation request fails.

**User response:** Specify a new file name where there is
sufficient space.

---

**ANR7825E (Solaris) Server unable to allocate a shared
memory segment of size Client requested shared memory size.**

**Explanation:** A shared memory client has requested a shared memory segment size that Solaris is unable to fulfill.

**System action:** Client is not allowed to logon

**User response:** See the shared memory tuning guide for Solaris (a Sun document). You may need to increase the number/size of shared memory segments and/or message queues.

---

**ANR7825W (Windows) Unable to create volume file
name. Return code= return code.**

**Explanation:** The server was attempting to create a file
with the indicated name. The attempt failed with the indicated return code. The return code is an internal code from the server.

**System action:** The server continues processing. The file creation request fails.

**User response:** Specify a new file name. The return code may also be provided to your service representative for interpretation.

---

**ANR7826W (Windows) Creation of Volume file name
failed. Process was cancelled.**

**Explanation:** The server was attempting to create a file
with the indicated name. The attempt was cancelled by a cancel process command.

**System action:** The server continues processing. The file creation request fails.

**User response:** The DEFINE command may be re-entered.

---

**ANR7830E (Linux) Invalid RAW Partition Name: A valid raw partition name is in the form of /dev/.../rdsk/.../* , where ... means 0 or more directories.**

**Explanation:** Use the proper format for specifying a Raw partition. The ... means zero or more directories.

**System action:** Inform the user to use the right RAW partition specification.

**User response:** Have user reenter the RAW partition with the proper partition name.

---

**ANR7830E (Solaris) Invalid RAW Partition Name: A valid raw partition name is in the form of /dev/.../rdsk/.../* , where ... means 0 or more directories.**

**Explanation:** Use the proper format for specifying a Raw partition. The ... means zero or more directories.
**ANR7831E (Linux)**  *raw partition name has an existing filesystem.*

**Explanation:** The RAW partition specified has an existing Solaris file system on it. Writing to this Partition may/most likely will destroy this filesystem.

**System action:** Warn the user that an existing filesystem for the raw partition specified may be destroyed if written to.

**User response:** Determine if user still wants the valid filesystem data. If not, user needs to destroy the filesystem by either formatting the partition, create a program to destroy the filesystem header information so that the server will not be able to detect the filesystem header information, or rearrange the starting and ending blocks of a partition by using the Solaris format() command. The user can read the format() function in the Sun manuals for further details on filesystems.

**ANR7832E (Solaris)**  *raw partition name corresponds to a protected filesystem, such as / or /usr.*

**Explanation:** The RAW partition specified has an existing file system on it. This filesystem is the / or /usr partition. If the SERVER writes to it, it will most likely crash the whole operating system.

**System action:** Disallow access to this raw partition.

**User response:** Have user specify another RAW partition that is not the / or /usr. It may be possible that this is not the actual / or /usr partition of the boot disk. Check, using the Solaris format() command, if your partition name tag is labeled incorrectly as / or /usr.

**ANR7833S (AIX)**  *The process thread ID terminated in response to program abort.*

**Explanation:** The thread has ended due to a program abort.

**System action:** The server completes termination processing.

**User response:** None.

**ANR7833E (Linux)**  *symbolic links has too many symbolic links - the maximum allowable is 10.*

**Explanation:** The file specified has too many symbolic links. The server will follow at most 10 links before ending this symbolic link name resolution.

**System action:** Disallow access to this file.

**User response:** Have the user specify the actual file, where the file is not a symbolic link. Using ls -l, one can see if the file is a symbolic link.
ANR7833E (Solaris)  symbolic links has too many symbolic links - the server only supports a maximum of 10.

**Explanation:** The file specified has too many symbolic links. The server will follow at most 10 links before ending this symbolic link name resolution.

**System action:** Disallow access to this file

**User response:** Have the user specify the actual file, where the file is not a symbolic link. Using ls -l, one can see if the file is a symbolic link.

---

ANR7834I (AIX)  The thread thread ID terminated in response to external signal.

**Explanation:** The thread has ended due to an external signal.

**System action:** The server completes termination processing.

**User response:** None.

---

ANR7834E (Linux)  Specified raw partition name raw partition cannot contain the 0th disk cylinder.

**Explanation:** The raw partition specified has the 0th disk cylinder. The server should not be allowed to write into the 0th cylinder. If allowed, the disk label would be corrupted.

**System action:** Disallow access to this raw partition.

**User response:** Have the system administrator change the starting cylinder of this partition to a number greater than 0.

---

ANR7834E (Solaris)  Specified raw partition name raw partition cannot contain the 0th disk cylinder.

**Explanation:** The raw partition specified has the 0th disk cylinder. The server should not be allowed to write into the 0th cylinder. If allowed, the disk label would be corrupted.

**System action:** Disallow access to this raw partition.

**User response:** Have the system administrator change the starting cylinder of this partition to a number greater than 0.

---

ANR7835I (Windows)  The server thread thread ID terminated in response to server shutdown.

**Explanation:** The thread has ended due to a server shutdown.

**System action:** The server completes termination processing.

**User response:** None.

---

ANR7835I (Windows)  The server thread thread ID (tid Windows NT thread ID) terminated in response to server shutdown.

**Explanation:** The thread has terminated due to an external signal.

**System action:** The server completes termination processing.

**User response:** None.
ANR7836S (AIX) Server initialization terminated.
Explanation: An error occurs that causes server initialization to end.
System action: Server operation stops.
User response: Contact your service representative.

ANR7837S (AIX) Internal error internal error was detected.
Explanation: An internal error was detected during server initialization or operation.
System action: The server stops.
User response: You must extend the log file when you receive ANR7837S, LOGSEG871 errors. Review additional information that is available for this message in one of the following locations:
* The problem determination section in the Tivoli Storage Manager Information Center:
  Find relevant information by entering the message number in the Search field and selecting from topics in the search results.
* Tivoli Storage Manager Problem Determination Guide, a book in PDF format that is available for download from the IBM Publications Center:

ANR7837S (Windows) Internal error internal error was detected.
Explanation: An internal error was detected during server initialization or operation.
System action: The server stops.
User response: You must extend the log file when you receive ANR7837S, LOGSEG871 errors. Review additional information that is available for this message in one of the following locations:
* The problem determination section in the Tivoli Storage Manager Information Center:
  Find relevant information by entering the message number in the Search field and selecting from topics in the search results.
* Tivoli Storage Manager Problem Determination Guide, a book in PDF format that is available for download from the IBM Publications Center:

ANR7838S (AIX) Server operation terminated.
Explanation: An error occurs that causes server operation to stop.
System action: Server operation stops.
User response: Contact your service representative.

ANR7841S (AIX) Insufficient kernel memory available.
Explanation: An error occurs due to insufficient kernel memory.
System action: Server operation stops.
User response: Contact your service representative.

ANR7842S (AIX) Monitor kernel extension not initialized.
Explanation: The monitor kernel extension is not initialized.
System action: Server operation stops.
User response: Contact your service representative.

ANR7843W (AIX) Unable to determine real memory size.
Explanation: The server checks the amount of real memory in the system to optimize use of storage in the database buffer pool. The server uses Object Data Manager (ODM) to determine how much real memory is installed on the system. The routines used to call ODM failed or were unable to return the real memory size.
System action: Server operation continues. The server allows the data base buffer pool size to grow without taking into account real memory.
User response: The server may need to run as a root user to obtain this information.

ANR7843W (HP-UX) Unable to determine real memory size.
Explanation: The server checks the amount of real memory in the system to optimize use of storage in the database buffer pool. The routines used to obtain this information returned a failing return code or were unable to return the real memory size.
System action: Server operation continues. The server allows the data base buffer pool size to grow without taking into account real memory.
User response: The server may need to run as a root user to obtain this information.
ANR7843W (Linux) • ANR7855W (Windows)

ANR7843W (Linux) Unable to determine real memory size.

Explanation: The server checks the amount of real memory in the system to optimize use of storage in the database buffer pool. The server uses Object Data Manager (ODM) to determine how much real memory is installed on the system. The routine s used to call ODM failed or were unable to return the real memory size.

System action: Server operation continues. The server allows the database buffer pool size to grow without taking into account real memory.

User response: The server may need to run as a root user to obtain this information.

ANR7843W (Solaris) Unable to determine real memory size.

Explanation: The server checks the amount of real memory in the system to optimize use of storage in the database buffer pool. The routines used to obtain this information returned a failing return code or were unable to return the real memory size.

System action: Server operation continues. The server allows the database buffer pool size to grow without taking into account real memory.

User response: The server may need to run as a root user to obtain this information.

ANR7843W (Windows) Unable to determine real memory size.

Explanation: The server checks the amount of real memory in the system to optimize use of storage in the database buffer pool. The routines used to obtain this information returned a failing return code or were unable to return the real memory size.

System action: Server operation continues. The server allows the database buffer pool size to grow without taking into account real memory.

User response: The server may need to run as a root user to obtain this information.

ANR7849I (AIX) Server operation terminated - kernel extension has been reset.

Explanation: The kernel extension has been reinitialized by the server in response to a previous condition for which a message has been issued.

System action: Server operation stops.

User response: None.

ANR7850I (AIX) The process process ID has terminated on signal signal number (signal name).

Explanation: The specified process has ended due to the specified signal.

System action: Server operation stops.

User response: Contact your service representative.

ANR7851S (AIX) Error resetting handler for signal signal number (signal name).

Explanation: An error occurs resetting the specified signal handler.

System action: Server operation stops.

User response: Contact your service representative.

ANR7852I (Windows) The current process affinity mask is: 0xAffinity mask.

Explanation: The server is running on the processors indicated by the mask.

System action: Server operation continues.

User response: None.


Explanation: A problem was encountered while obtaining the current process affinity.

System action: Server operation continues.

User response: None.

ANR7854W (Windows) The process affinity mask (0xAffinity mask) specified in dsmseropt is out of range.

Explanation: The affinity mask value was out of range.

System action: Server operation continues.

User response: None.


Explanation: A problem was encountered in setting a new process affinity mask.

System action: Server operation continues.

User response: None.
ANR7856W (Windows) The affinity mask (0xNT
return code) was set to a value other than
what was requested

Explanation: A new affinity mask was set but on
verification it was found not to match what was
requested.
System action: Server operation continues.
User response: None.

ANR7859W (AIX) Error reading from standard input.
Explanation: An error occurs during an attempt to
read from standard input.
System action: The console input thread is terminated.
User response: This is normal if the server is running
as part of the installation, in a cron job, or is started in
the background. This can occur if the server is started
in a telnet or ssh session and that session is killed
effectively creating a background process. If this is
unintended, stop the server and restart in the
foreground.

ANR7860W (AIX) Insufficient Space Available for
file
file name.
Explanation: The server was attempting to create a file
with the indicated name. There was insufficient space
for the file in the filesystem.
System action: The server continues processing. The
file creation request fails.
User response: Free additional space on the drive to
accomodate the file, specify a file name on a drive with
sufficient space, or change the space request to a value
consistent with the drive. Retry the operation.

ANR7860W (HP-UX) Insufficient Space Available for
file
file name.
Explanation: The server was attempting to create a file
with the indicated name. There was insufficient space
for the file in the filesystem.
System action: The server continues processing. The
file creation request fails.
User response: Free additional space on the drive to
accomodate the file, specify a file name on a drive with
sufficient space, or change the space request to a value
consistent with the drive. Retry the operation.

ANR7860W (Linux) Insufficient Space Available for
file
file name.
Explanation: The server was attempting to create a file
with the indicated name. There was insufficient space
for the file in the filesystem.
System action: The server continues processing. The
file creation request fails.
User response: Free additional space on the drive to
accomodate the file, specify a file name on a drive with
sufficient space, or change the space request to a value
consistent with the drive. Retry the operation.
ANR7860W (Solaris)  Insufficient Space Available for file file name.

Explanation: The server was attempting to create a file with the indicated name. There was insufficient space for the file in the filesystem.

System action: The server continues processing. The file creation request fails.

User response: Free additional space on the drive to accommodate the file, specify a file name on a drive with sufficient space, or change the space request to a value consistent with the drive. Retry the operation.

ANR7861W (AIX)  Unable to create directory when creating volume file name.

Explanation: The server was attempting to create a file with the indicated name. A new directory was being created as well, but its creation failed.

System action: The server continues processing. The file creation request fails.

User response: Specify a file name in an existing directory or or change the name request to specify a different directory name.

ANR7861W (HP-UX)  Unable to create directory when creating volume file name.

Explanation: The server was attempting to create a file with the indicated name. A new directory was being created as well, but its creation failed.

System action: The server continues processing. The file creation request fails.

User response: Specify a file name in an existing directory or or change the name request to specify a different directory name.

ANR7861W (Linux)  Unable to create directory when creating volume file name.

Explanation: The server was attempting to create a file with the indicated name. A new directory was being created as well, but its creation failed.

System action: The server continues processing. The file creation request fails.

User response: Specify a file name in an existing directory or or change the name request to specify a different directory name.

ANR7861W (Solaris)  Unable to create directory when creating volume file name.

Explanation: The server was attempting to create a file with the indicated name. A new directory was being created as well, but its creation failed.

System action: The server continues processing. The file creation request fails.

User response: Specify a file name in an existing directory or or change the name request to specify a different directory name.

ANR7862W (AIX)  File Already exists when creating volume file name.

Explanation: The server was attempting to create a file with the indicated name. The file already exists.

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name. The server will not use an existing file name when creating a file.

ANR7862W (HP-UX)  File Already exists when creating volume file name.

Explanation: The server was attempting to create a file with the indicated name. The file already exists.

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name. The server will not use an existing file name when creating a file.

ANR7862W (Linux)  File Already exists when creating volume file name.

Explanation: The server was attempting to create a file with the indicated name. The file already exists.

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name. The server will not use an existing file name when creating a file.

ANR7862W (Solaris)  File Already exists when creating volume file name.

Explanation: The server was attempting to create a file with the indicated name. The file already exists.

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name. The server will not use an existing file name when creating a file.

ANR7863W (AIX)  Unable to create file file name.

Explanation: The server was attempting to create a file with the indicated name. The system reported an error in creating the file.

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name.
ANR7863W (HP-UX) Unable to create file file name.

Explanation: The server was attempting to create a file with the indicated name. The system reported an error in creating the file.

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name.

ANR7863W (Linux) Unable to create file file name.

Explanation: The server was attempting to create a file with the indicated name. The system reported an error in creating the file.

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name.

ANR7863W (Solaris) Unable to create file file name.

Explanation: The server was attempting to create a file with the indicated name. The system reported an error in creating the file.

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name.

ANR7864W (AIX) Unable to write volume file name.

Explanation: The server was attempting to create a file with the indicated name. The server was able to partially write to the file before running out of space.

System action: The server continues processing. The file creation request fails. The file is still present on the system.

User response: Specify a new file name where there is sufficient space.

ANR7864W (HP-UX) Unable to write volume file name.

Explanation: The server was attempting to create a file with the indicated name. The server was able to partially write to the file before running out of space.

System action: The server continues processing. The file creation request fails. The file is still present on the system.

User response: Specify a new file name where there is sufficient space.

ANR7864W (Linux) Unable to write volume file name.

Explanation: The server was attempting to create a file with the indicated name. The server was able to partially write to the file before running out of space.

System action: The server continues processing. The file creation request fails. The file is still present on the system.

User response: Specify a new file name where there is sufficient space.

ANR7865W (AIX) Unable to create volume file name. Return code=return code.

Explanation: The server was attempting to create a file with the indicated name. The attempt failed with the indicated return code. The return code is an internal code from the server.

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name. The return code may also be provided to your service representative for interpretation.

ANR7865W (HP-UX) Unable to create volume file name. Return code=return code.

Explanation: The server was attempting to create a file with the indicated name. The attempt failed with the indicated return code. The return code is an internal code from the server.

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name. The return code may also be provided to your service representative for interpretation.

ANR7865W (Linux) Unable to create volume file name. Return code=return code.

Explanation: The server was attempting to create a file with the indicated name. The attempt failed with the indicated return code. The return code is an internal code from the server.

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name. The return code may also be provided to your service representative for interpretation.
ANR7865W (Solaris)  •  ANR7867I (Linux)

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name. The return code may also be provided to your service representative for interpretation.

ANR7865W (Solaris)  Unable to create volume file name. Return code=return code.

Explanation: The server was attempting to create a file with the indicated name. The attempt failed with the indicated return code. The return code is a server internal code.

System action: The server continues processing. The file creation request fails.

User response: Specify a new file name. The return code may also be provided to your service representative for interpretation.

ANR7866W (AIX)  Creation of Volume file name failed. Process was cancelled.

Explanation: The server was attempting to create a file with the indicated name. The attempt was cancelled by a cancel process command.

System action: The server continues processing. The file creation request fails.

User response: The DEFINE command may be re-entered.

ANR7867I (AIX)  file name is not a multiple of disk block size block size. File size is file size, but usable space is rounded down to usable file size.

Explanation: The server was attempting to open a random access file with the indicated name. The usable space was rounded down to the indicated value so that the amount of space is an even multiple of the disk block size. This facilitates improved performance in reading and writing the file.

System action: The server continues processing. Some space in the file will go unused.

User response: No action is required. To use all space in the file, server utilities can be used to offload existing data to other volumes. The volume can then be deleted and re-created using a multiple of the disk’s block size.

ANR7866W (HP-UX)  Creation of Volume file name failed. Process was cancelled.

Explanation: The server was attempting to create a file with the indicated name. The attempt was cancelled by a cancel process command.

System action: The server continues processing. The file creation request fails.

User response: The DEFINE command may be re-entered.

ANR7867I (HP-UX)  file name is not a multiple of disk block size block size. File size is file size, but usable space is rounded down to usable file size.

Explanation: The server was attempting to open a random access file with the indicated name. The usable space was rounded down to the indicated value so that the amount of space is an even multiple of the disk block size. This facilitates improved performance in reading and writing the file.

System action: The server continues processing. Some space in the file will go unused.

User response: No action is required. To use all space in the file, server utilities can be used to offload existing data to other volumes. The volume can then be deleted and re-created using a multiple of the disk’s block size.

ANR7866W (Linux)  Creation of Volume file name failed. Process was cancelled.

Explanation: The server was attempting to create a file with the indicated name. The attempt was cancelled by a cancel process command.

System action: The server continues processing. The file creation request fails.

User response: The DEFINE command may be re-entered.

ANR7867I (Linux)  file name is not a multiple of disk block size block size. File size is file size, but usable space is rounded down to usable file size.

Explanation: The server was attempting to open a random access file with the indicated name. The usable space was rounded down to the indicated value so that the amount of space is an even multiple of the disk.
block size. This facilitates improved performance in reading and writing the file.

**System action:** The server continues processing. Some space in the file will go unused.

**User response:** No action is required. To use all space in the file, server utilities can be used to offload existing data to other volumes. The volume can then be deleted and re-created using a multiple of the disk’s block size.

**ANR7867I (Solaris) file name is not a multiple of disk block size. File size is file size, but usable space is rounded down to usable file size.**

**Explanation:** The server was attempting to open a random access file with the indicated name. The usable space was rounded down to the indicated value so that the amount of space is an even multiple of the disk block size. This facilitates improved performance in reading and writing the file.

**System action:** The server continues processing. Some space in the file will go unused.

**User response:** No action is required. To use all space in the file, server utilities can be used to offload existing data to other volumes. The volume can then be deleted and re-created using a multiple of the disk’s block size.

**ANR7868E (Solaris) The server is unable to open or lock the file name file.**

**Explanation:** The server attempted to open or lock the instance lock file. The open or lock operation failed.

**System action:** Server initialization fails.

**User response:** Ensure that the server is being initialized from the correct instance directory and that this server instance is not running. Ensure that the instance owner has appropriate permissions to read and write files on the specified path.

**ANR7870W (AIX) Unable to initialize odm query.**

**Error message from odm is odm message.**

**Explanation:** The server uses the AIX Object Data Manager (ODM) to check information about AIX. For example, the server uses ODM to determine how much real memory is installed on the system. The routine used to initialize an ODM query failed. ODM returned an error message as indicated.

**System action:** Server operation continues. The server makes assumptions concerning information it could not obtain.

**User response:** The server may need to run as a root user to obtain this information.

**ANR7871W (AIX) Unable to complete odm query.**

**Error message from odm is odm message.**

**Explanation:** The server uses the AIX Object Data Manager (ODM) to check information about AIX. For example, the server uses ODM to determine how much real memory is installed on the system. The routine used to perform and ODM query failed. ODM returned an error message as indicated.

**System action:** Server operation continues. The server makes assumptions concerning information it could not obtain.

**User response:** The server may need to run as a root user to obtain this information.
ANR8195I (AIX)  The SSL TCP/IP Version 4 driver is ready for connection with clients on port port number.

Explanation: The server can now accept sessions with clients using the SSL TCP/IP protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8195I (HP-UX)  The SSL TCP/IP Version 4 driver is ready for connection with clients on port port number.

Explanation: The server can now accept sessions with clients using the SSL TCP/IP protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8195I (Linux)  The SSL TCP/IP Version 4 driver is ready for connection with clients on port port number.

Explanation: The server can now accept sessions with clients using the SSL TCP/IP protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8195I (Solaris)  The SSL TCP/IP Version 4 driver is ready for connection with clients on port port number.

Explanation: The server can now accept sessions with clients using the SSL TCP/IP protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8195I (Windows)  The SSL TCP/IP Version 4 driver is ready for connection with clients on port port number.

Explanation: The server can now accept sessions with clients using the SSL TCP/IP protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8196I (AIX)  The SSL TCP/IP administrative driver is ready for connection with clients on port port number.

Explanation: The server can now accept sessions with administrative clients using the SSL TCP/IP protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8196I (HP-UX)  The SSL TCP/IP administrative driver is ready for connection with clients on port port number.

Explanation: The server can now accept sessions with administrative clients using the SSL TCP/IP protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8196I (Linux)  The SSL TCP/IP administrative driver is ready for connection with clients on port port number.

Explanation: The server can now accept sessions with administrative clients using the SSL TCP/IP protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8196I (Solaris)  The SSL TCP/IP administrative driver is ready for connection with clients on port port number.

Explanation: The server can now accept sessions with administrative clients using the SSL TCP/IP protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8196I (Windows)  The SSL TCP/IP administrative driver is ready for connection with clients on port port number.

Explanation: The server can now accept sessions with administrative clients using the SSL TCP/IP protocol on the indicated port number.

System action: Server operation continues.

User response: None.
ANR8197W (HP-UX) A TCP/IP driver is unable to set the window size to TCPWindowsize for a master socket on which the server listens. The server will use the default window size for listening to sessions.

Explanation: The reason that the window size cannot be set to the requested size might be due to a lack of memory for TCP/IP buffers.

System action: Server operation continues with the default window size.

User response: If necessary, restart the server with a smaller window size in the options file. To determine the setting of the server window size (TCPWindowsize), issue the QUERY OPTION command.

ANR8198E (AIX) The SSL environment was not established. The GSK module gsk module return code is gsk return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.

System action: Server operation continues.

User response: Stop and restart the server.

ANR8198E (HP-UX) The SSL environment was not established. The GSK module gsk module return code is gsk return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.

System action: Server operation continues.

User response: Stop and restart the server.

ANR8198E (Linux) The SSL environment was not established. The GSK module gsk module return code is gsk return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.

System action: Server operation continues.

User response: Stop and restart the server.

ANR8198E (Solaris) The SSL environment was not established. The GSK module gsk module return code is gsk return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.

System action: Server operation continues.

User response: Stop and restart the server.

ANR8199E (AIX) The SSL TCP/IP driver was not initialized on port port number.

Explanation: A problem with the SSL environment prevents Tivoli Storage Manager from establishing the SSL protocol on the indicated port number.

System action: Server operation continues.

User response: None

ANR8199E (HP-UX) The SSL TCP/IP driver was not initialized on port port number.

Explanation: A problem with the SSL environment prevents Tivoli Storage Manager from establishing the SSL protocol on the indicated port number.

System action: Server operation continues.

User response: None

ANR8199E (Linux) The SSL TCP/IP driver was not initialized on port port number.

Explanation: A problem with the SSL environment prevents Tivoli Storage Manager from establishing the SSL protocol on the indicated port number.

System action: Server operation continues.

User response: None

ANR8199E (Solaris) The SSL TCP/IP driver was not initialized on port port number.

Explanation: A problem with the SSL environment prevents Tivoli Storage Manager from establishing the SSL protocol on the indicated port number.

System action: Server operation continues.

User response: None

ANR8199E (Windows) The SSL TCP/IP driver was not initialized on port port number.

Explanation: A problem with the SSL environment prevents Tivoli Storage Manager from establishing the SSL protocol on the indicated port number.

System action: Server operation continues.

User response: None
ANR8200I (AIX) • ANR8201E (Solaris)

ANR8200I (AIX)  TCP/IP Version 4 driver ready for connection with clients on port port number.

Explanation: The server can now accept sessions with clients using the TCP/IP Version 4 protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8200I (HP-UX)  TCP/IP Version 4 driver ready for connection with clients on port port number.

Explanation: The server is now able to accept sessions with clients using the TCP/IP Version 4 protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8200I (Linux)  TCP/IP Version 4 driver ready for connection with clients on port port number.

Explanation: The server can now accept sessions with clients using the TCP/IP Version 4 protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8200I (Solaris)  TCP/IP Version 4 driver ready for connection with clients on port port number.

Explanation: The server can now accept sessions with clients using the TCP/IP Version 4 protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8200I (Windows)  TCP/IP Version 4 driver ready for connection with clients on port port number.

Explanation: The server can now accept sessions with clients using the TCP/IP Version 4 protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8201W (AIX)  Unable to initialize TCP/IP driver - insufficient memory.

Explanation: Because the operating system rejects a memory allocation request, the server cannot start communications through TCP/IP.

System action: Server operation continues, but the server cannot accept sessions from clients using the TCP/IP protocol.

User response: Ensure that sufficient paging space is available for AIX. You may also use SMIT to determine if the number of applications is causing a memory shortage. It may be necessary to decrease the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

ANR8201E (HP-UX)  Unable to initialize TCP/IP driver - socket creation failed; error error code.

Explanation: The server is unable to initialize the TCP/IP driver due to a socket creation error.

System action: Server operation continues, but TCP/IP support is inoperative.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not active on your system, you must activate it; then halt and restart the server.

ANR8201E (Linux)  Unable to initialize TCP/IP driver - socket creation failed; error error code.

Explanation: The server is unable to initialize the TCP/IP driver due to a socket creation error.

System action: Server operation continues, but TCP/IP support is inoperative.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not active on your system, you must activate it; then halt and restart the server.

ANR8201E (Solaris)  Unable to initialize TCP/IP driver - socket creation failed; error error code.

Explanation: The server is unable to initialize the TCP/IP driver due to a socket creation error.

System action: Server operation continues, but TCP/IP support is inoperative.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not active on your system, you must activate it; then halt and restart the server.
ANR8201W (Windows) Unable to initialize TCP/IP driver - insufficient memory.

Explanation: The server is unable to communicate by way of TCP/IP. A memory allocation request has been rejected by the operating system.

System action: Server operation continues, but the server cannot accept sessions from clients using the TCP/IP protocol.

User response: Ensure that there is sufficient space for the Windows paging file. Click on the system icon in the Windows control panel and then click on the virtual memory button. Refer to the online help for instructions on how to increase the amount of virtual memory.

ANR8202W (AIX) Unable to initialize TCP/IP driver - error creating acceptor socket. Reason code reason code.

Explanation: Because TCP/IP rejects a request for a socket on which to listen, the server cannot start communications through TCP/IP.

System action: Server operation continues, but the server cannot accept sessions from clients using the TCP/IP protocol.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not started, use the HALT command from a server prompt to stop the server and restart it.

ANR8202E (HP-UX) Unable to initialize TCP/IP driver - socket bind operation for port TCP port number failed; error error code.

Explanation: The server is unable to initialize the TCP/IP driver due to a socket binding error.

System action: Server operation continues, but TCP/IP support is inoperative.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not active on your system, you must activate it; then halt and restart the server. This message may also result from more than one server running on the same machine with the same TCP/IP port number. Make sure that the dsmserv.opt file TCPPort option is different for each server.

ANR8202E (Solaris) Unable to initialize TCP/IP driver - socket bind operation for port TCP port number failed; error error code.

Explanation: The server is unable to initialize the TCP/IP driver due to a socket binding error.

System action: Server operation continues, but TCP/IP support is inoperative.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not active on your system, you must activate it; then halt and restart the server. This message may also result from more than one server running on the same machine with the same TCP/IP port number. Make sure that the dsmserv.opt file TCPPort option is different for each server.

ANR8202W (Windows) Unable to initialize TCP/IP driver - error creating acceptor socket. Reason code reason code.

Explanation: The server is unable to communicate by way of TCP/IP. TCP/IP has rejected a request for a socket on which the server listens.

System action: Server operation continues, but the server cannot accept sessions from clients using the TCP/IP protocol.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not started, issue the HALT command to stop the server, and then restart the server.

ANR8203W (AIX) Unable to establish TCP connection - accept error.

Explanation: The server cannot accept a client session due to a failure in TCP/IP.

System action: Server operation continues, but the server cannot accept sessions from clients using the TCP/IP protocol.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not started,
use the HALT command from a server prompt to terminate the server and restart it.

issue the HALT command to stop the server, and then restart the server.

ANR8203E (HP-UX)  Unable to initialize TCP/IP driver - listen operation failed; error "error code."

Explanation: The server is unable to initialize the TCP/IP driver due to a socket listen error.

System action: Server operation continues, but TCP/IP support is inoperative.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not active on your system, you must activate it; then halt and restart the server.

ANR8203W (Windows)  Unable to establish TCP connection - accept error.

Explanation: The server cannot accept a client session due to failure in TCP/IP.

System action: Server operation continues, but the server cannot accept sessions from clients using the TCP/IP protocol.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not started, then halt and restart the server.

ANR8204W (AIX)  Unable to establish TCP connection - insufficient memory.

Explanation: The server cannot accept a client session due to a memory allocation request failure.

System action: Server operation continues, but the session request for this session fails.

User response: Ensure that sufficient paging space is available for AIX. You may also use SMIT to determine if the number of applications is causing a memory shortage. You may also decrease the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8204E (HP-UX)  Unable to initialize TCP/IP driver - thread creation failed.

Explanation: The server is unable to initialize the TCP/IP driver due to an error creating a server thread.

System action: Server operation continues, but TCP/IP support is inoperative.

User response: This error often results from a lack of memory. Ensure that your system has sufficient paging space to support the current activities.

ANR8204E (Linux)  Unable to initialize TCP/IP driver - thread creation failed.

Explanation: The server is unable to initialize the TCP/IP driver due to an error creating a server thread.

System action: Server operation continues, but TCP/IP support is inoperative.

User response: This error often results from a lack of memory. Ensure that your system has sufficient paging space to support the current activities.

ANR8204E (Solaris)  Unable to initialize TCP/IP driver - thread creation failed.

Explanation: The server is unable to initialize the TCP/IP driver due to an error creating a server thread.

System action: Server operation continues, but TCP/IP support is inoperative.

User response: This error often results from a lack of memory. Ensure that your system has sufficient paging space to support the current activities.

ANR8204W (Windows)  Unable to establish TCP connection - insufficient memory.

Explanation: The server is unable to accept a client session due to a memory allocation request failure.

System action: Server operation continues, but the
session request for this session fails.

User response: Ensure that there is sufficient space for the Windows paging file. Click on the system icon in the Windows control panel and then click on the virtual memory button. Refer to the online help for instructions on how to increase the amount of virtual memory. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8205W (AIX) Unable to establish TCP connection - server HALT in progress.

Explanation: The server cannot accept a client session due to server HALT processing that is in progress.

System action: Server operation continues, but the session request for this session fails.

User response: None.

ANR8206E (AIX) Terminating TCP/IP driver - accept operation failed; error error code.

Explanation: The server is unable to initialize the TCP/IP driver due to a socket accept error.

System action: Server operation continues, but TCP/IP support is inoperative.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not active on your system, you must activate it; then halt and restart the server.

ANR8205E (Linux) Terminating TCP/IP driver - socket accept operation failed; error error code.

Explanation: The server is unable to initialize the TCP/IP driver due to a socket accept error.

System action: Server operation continues, but TCP/IP support is inoperative.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not active on your system, you must activate it; then halt and restart the server.

ANR8206E (Solaris) Terminating TCP/IP driver - socket accept operation failed; error error code.

Explanation: The server is unable to initialize the TCP/IP driver due to a socket accept error.

System action: Server operation continues, but TCP/IP support is inoperative.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not active on your system, you must activate it; then halt and restart the server.

ANR8205W (Windows) Unable to establish TCP connection - server HALT in progress.

Explanation: The server is unable to accept a client session due to server HALT processing that is in progress.

System action: Server operation continues, but the session request for this session fails.

User response: None.

ANR8206E (Linux) Unable to establish TCP/IP session - invalid host address IP host address (port port number).

Explanation: The server is unable to establish a session because the designated address or port number is not valid.

System action: Server operation continues.

User response: Ensure that the specified host name is valid and is accessible over the network. If the TCPCLIENTPort option is specified for the remote system, ensure it does not conflict with another application.

ANR8206E (Solaris) Unable to establish TCP/IP session - invalid host address IP host address (port port number).

Explanation: The server is unable to establish a session because the designated address or port number is not valid.

System action: Server operation continues.

User response: Ensure that the specified host name is valid and is accessible over the network. If the TCPCLIENTPort option is specified for the remote system, ensure it does not conflict with another application.
ANR8206E (Solaris) • ANR8208W (AIX)

ANR8206E (Solaris)  Unable to establish TCP/IP session - invalid host address IP host address (port port number).

Explanation:  The server is unable to establish a session because the designated address or port number is not valid.

System action:  Server operation continues.

User response:  Ensure that the specified host name is valid and is accessible over the network. If the TCPCLIENTPort option is specified for the remote system, ensure it does not conflict with another application.

ANR8206I (Windows)  TCP/IP Version 4 administrative driver ready for connection with clients on port port number.

Explanation:  The server can now accept sessions with administrative clients using the TCP/IP Version 4 protocol on the indicated port number.

System action:  Server operation continues.

User response:  None.

ANR8206E (Linux)  Unable to establish TCP/IP session - invalid host address IP host address (port port number).

Explanation:  The server is unable to establish a session because of a memory shortage condition.

System action:  Server operation continues.

User response:  Ensure that your system has sufficient paging space to support the current level of system activities.

ANR8207E (Solaris)  Unable to establish TCP/IP session with IP host address due to memory shortage.

Explanation:  The server is unable to establish a session because of a memory shortage condition.

System action:  Server operation continues.

User response:  Ensure that your system has sufficient paging space to support the current level of system activities.

ANR8207E (Linux)  Unable to establish TCP/IP session with IP host address due to memory shortage.

Explanation:  The server is unable to establish a session because of a memory shortage condition.

System action:  Server operation continues.

User response:  Ensure that your system has sufficient paging space to support the current level of system activities.

ANR8207W (AIX)  TCP/IP driver unable to initialize due to socket initialization error. Reason code reason code.

Explanation:  While initializing TCP/IP communications, the server has failed to set up an interface with TCP/IP for Windows.

System action:  Server operation continues, but the server cannot accept sessions from clients using the TCP/IP protocol.

User response:  Ensure that TCP/IP is properly installed on your system. Ensure that TCP/IP has been started on your system. Issue the TCP/IP ping command to your own address to verify that TCP/IP is both installed and active.

ANR8207E (HP-UX)  Unable to establish TCP/IP session with IP host address due to memory shortage.

Explanation:  The server is unable to establish a session because of a memory shortage condition.

System action:  Server operation continues.

User response:  Ensure that your system has sufficient paging space to support the current level of system activities.

ANR8208W (AIX)  TCP/IP driver unable to initialize due to error in using port port, reason code reason code.

Explanation:  While initializing TCP/IP communications, the server fails to connect to a master socket on which to listen for clients. The reason code is the return code from the TCP/IP bind API.

System action:  Server operation continues, but the server cannot accept sessions from clients using the TCP/IP protocol.

User response:  Ensure that no other application is using the port number specified in the server options file with the TCPCLIENTPort option by issuing the TCP/IP netstat command. If the server was brought down and client sessions were active, it may be necessary to terminate the client sessions on the client systems before the port can be freed.
ANR8208E (HP-UX) Unable to establish TCP/IP session with IP host address - socket creation failed; error error code.

Explanation: The server is unable to establish a session because of a socket creation error.

System action: Server operation continues.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not active on your system, you must activate it; then halt and restart the server.

ANR8208E (Linux) Unable to establish TCP/IP session with IP host address - socket creation failed; error error code.

Explanation: The server is unable to establish a session because of a socket creation error.

System action: Server operation continues.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not active on your system, you must activate it; then halt and restart the server.

ANR8208E (Solaris) Unable to establish TCP/IP session with IP host address - socket creation failed; error error code.

Explanation: The server is unable to establish a session because of a socket creation error.

System action: Server operation continues.

User response: Ensure that TCP/IP is operational on your system by using the ping command with your TCP/IP address as a target. If TCP/IP is not active on your system, you must activate it; then halt and restart the server.

ANR8208W (Windows) TCP/IP driver unable to initialize due to error in using Port port, reason code reason code.

Explanation: While initializing TCP/IP communications, the server has failed to connect to a master socket on which to listen for clients. The reason code is the return code from the TCP/IP bind API.

System action: Server operation continues, but the server cannot accept sessions from clients using the TCP/IP protocol.

User response: Ensure that no other application is using the port number specified in the server options file with the TCPPORT option. If the server is brought down and then started immediately, you may be within the TCP/IP one minute timeout period for port reusage. Bring down the server, wait one minute, and then restart the server. If that does not work, it may be necessary to restart Windows.

ANR8209W (AIX) TCP/IP driver unable to initialize due to error in LISTENing on the specified Port, reason code reason code.

Explanation: While attempting to listen for session requests from clients using TCP/IP, TCP/IP returns an error. The reason code is the return code from the TCP/IP listen API.

System action: Server operation continues, but the server cannot accept additional sessions from clients using the TCP/IP protocol.

User response: Ensure that TCP/IP is running properly by issuing the TCP/IP netstat -s and ping commands to other nodes on your network. It may be possible to bring the server down and restart it to allow additional client sessions to start.

ANR8209E (HP-UX) Unable to establish TCP/IP session with IP host address - connection refused.

Explanation: The server is unable to establish a session because the remote system refused the connection request.

System action: Server operation continues.

User response: Ensure that the specified remote system is operational and is properly configured to run TCP/IP. Ensure that the client options file specifies the correct TCPServeraddress and TCPPort of the server you are attempting to contact.

ANR8209E (Linux) Unable to establish TCP/IP session with IP host address - connection refused.

Explanation: The server is unable to establish a session because the remote system refused the connection request.

System action: Server operation continues.

User response: Ensure that the specified remote system is operational and is properly configured to run TCP/IP. Ensure that the client options file specifies the correct TCPServeraddress and TCPPort of the server you are attempting to contact.

ANR8209E (Solaris) Unable to establish TCP/IP session with IP host address - connection refused.

Explanation: The server is unable to establish a session because the remote system refused the connection request.

System action: Server operation continues.
User response: Ensure that the specified remote system is operational and is properly configured to run TCP/IP. Ensure that the client options file specifies the correct TCPServeraddress and TCPPort of the server you are attempting to contact.

Explanation: While attempting to listen for session requests from clients using TCP/IP, TCP/IP returns an error. The reason code is the return code from the TCP/IP listen API.

System action: Server operation continues, but the server cannot accept additional sessions from clients using the TCP/IP protocol.

User response: Ensure that TCP/IP is running properly. This may be done by issuing the TCP/IP netstat -s and ping commands to other nodes on your network. It may be possible to correct this condition by restarting the server.

ANR8210W (AIX) TCP/IP driver is terminating due to error in accepting a new session, reason code reason code.

Explanation: While attempting to accept a session request from a client using TCP/IP, TCP/IP returns an error. The reason code is the return code from the TCP/IP accept API.

System action: Server operation continues, but the server cannot accept additional sessions from clients using the TCP/IP protocol.

User response: Ensure that TCP/IP is running properly. This may be done by issuing the TCP/IP netstat -s and ping commands to other nodes on your network. It may be possible to bring the server down and restart it to allow additional client sessions to start.

ANR8210E (HP-UX) Unable to establish TCP/IP session with IP host address - connection request timed out.

Explanation: The server is unable to establish a session because the remote system did not respond to the connection request.

System action: Server operation continues.

User response: Ensure the following:
- The specified remote system is operational and is properly configured to run TCP/IP.
- The client options file specifies the correct TCPServeraddress and TCPPort of the server you are attempting to contact.
- Necessary gateways and routers are functioning properly.

ANR8210E (Solaris) Unable to establish TCP/IP session with IP host address - connection request timed out.

Explanation: The server is unable to establish a session because the remote system did not respond to the connection request.

System action: Server operation continues.

User response: Ensure the following:
- The specified remote system is operational and is properly configured to run TCP/IP.
- The client options file specifies the correct TCPServeraddress and TCPPort of the server you are attempting to contact.
- Necessary gateways and routers are functioning properly.

ANR8210W (Windows) TCP/IP driver is terminating due to error in accepting a new session, reason code reason code.

Explanation: While attempting to accept a session request from a client using TCP/IP, TCP/IP returns an error. The reason code is the return code from the TCP/IP accept API.

System action: Server operation continues, but the server cannot accept additional sessions from clients using the TCP/IP protocol.

User response: Ensure that TCP/IP is running properly. This may be done by issuing the TCP/IP netstat -s and ping commands to other nodes on your network. It may be possible to bring the server down and restart it to allow additional client sessions to start.
ANR8211W (AIX) TCP/IP driver is terminating due to error in creating a new thread.

Explanation: The server cannot initialize due to the inability to create a new thread of execution.

System action: Server operation continues, but TCP/IP communications is inoperative.

User response: The most likely cause is a lack of memory. Ensure that sufficient paging space is available for AIX. You may also use SMIT to determine if the number of applications is causing a memory shortage. You may also decrease the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8211E (HP-UX) Unable to establish TCP/IP session with IP host address - system/network unreachable.

Explanation: The server is unable to establish a session because the remote system or network is unreachable.

System action: Server operation continues.

User response: Ensure that the specified remote system is operational and is properly configured to run TCP/IP. Also, ensure that necessary gateways and routers are functioning properly.

ANR8211E (Solaris) Unable to establish TCP/IP session with IP host address - system/network unreachable.

Explanation: The server is unable to establish a session because the remote system or network is unreachable.

System action: Server operation continues.

User response: Ensure that the specified remote system is operational and is properly configured to run TCP/IP. Also, ensure that necessary gateways and routers are functioning properly.

ANR8211E (Linux) Unable to establish TCP/IP session with IP host address - system/network unreachable.

Explanation: The server is unable to establish a session because the remote system or network is unreachable.

System action: Server operation continues.

User response: Ensure that the specified remote system is operational and is properly configured to run TCP/IP. Also, ensure that necessary gateways and routers are functioning properly.

ANR8212E (AIX) Unable to establish TCP/IP session with IP host address - system/network unreachable.

Explanation: The server attempts to obtain a TCP/IP address for the indicated node name. The attempt is unsuccessful.

System action: The attempt to communicate with the indicated node fails. Server operation continues.

User response: Ensure that the node name is properly specified and that it is accessible over the network. Use the TCP/IP ping command for this purpose.

ANR8212E (HP-UX) Unable to establish TCP/IP session with IP host address - connect failed; error error code.

Explanation: The server is unable to establish a session because of a connection error.

System action: Server operation continues.

User response: Ensure that the specified remote system is operational and is properly configured to run TCP/IP.

ANR8212E (Linux) Unable to establish TCP/IP session with IP host address - connect failed; error error code.

Explanation: The server is unable to establish a session because of a connection error.

System action: Server operation continues.

User response: Ensure that the specified remote system is operational and is properly configured to run TCP/IP.
ANR8212E (Solaris) • ANR8214E (HP-UX)

**ANR8212E (Solaris)** Unable to establish TCP/IP session with IP host address - connect failed; error error code.

**Explanation:** The server is unable to establish a session because of a connection error.

**System action:** Server operation continues.

**User response:** Ensure that the specified remote system is operational and is properly configured to run TCP/IP.

**ANR8212W (Windows)** Unable to resolve address for node name.

**Explanation:** The server attempts to obtain a TCP/IP address for the indicated node name. The attempt is unsuccessful.

**System action:** The attempt to communicate with the indicated node fails. Server operation continues.

**User response:** Ensure that the node name is properly specified and that it is accessible over the network. Use the TCP/IP ping command for this purpose.

**ANR8213W (AIX)** Session open with node name timed out.

**Explanation:** The server attempts to contact the indicated node name. The attempt is unsuccessful.

**System action:** The attempt to communicate with the indicated node fails.

**User response:** Ensure that the node name is properly specified and that it is accessible over the network. Use the TCP/IP ping command for this purpose.

**ANR8213E (HP-UX)** Session identifier aborted due to send error; error error code.

**Explanation:** The session between the server and the specified client system experienced a disruptive error sending data.

**System action:** The session with the remote system is ended.

**User response:** Ensure that the specified remote system is operational and is properly configured to run TCP/IP.

**ANR8213W (Windows)** Session open with node name timed out.

**Explanation:** The server attempts to contact the indicated node name. The attempt is unsuccessful.

**System action:** The attempt to communicate with the indicated node fails.

**User response:** Ensure that the node name is properly specified and that it is accessible over the network. Use the TCP/IP ping command for this purpose.

**ANR8214E (AIX)** Session open with IP host address failed due to connection refusal.

**Explanation:** The server is unable to establish a session because the remote system refused the connection request.

**System action:** Server operation continues.

**User response:** Ensure that the specified remote system is operational and is properly configured to run TCP/IP. Ensure that the client options file specifies the correct TCPServeraddress and TCPPort of the server you are attempting to contact.

**ANR8214E (HP-UX)** The session stopped when no data was read on socket socket number.

**Explanation:** The server is unable to read data on the indicated socket. This might be a normal event if either side of the connection is abruptly ended.

**System action:** The session is ended. Server operation continues.

**User response:** If the session is ended as a result of intentionally stopping either the client or server, no response is required. Otherwise, ensure that the client and server can communicate through such means as Telnet or FTP applications, which are part of the TCP/IP suite.
ANR8214E (Linux) Session terminated when no data was read on socket socket number.

Explanation: The server is unable to read data on the indicated socket. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required. Otherwise, ensure that the client and server can communicate through such means as Telnet or FTP applications, which are part of the TCP/IP suite.

ANR8214E (Solaris) Session terminated when no data was read on socket socket number.

Explanation: The server is unable to read data on the indicated socket. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required. Otherwise, ensure that the client and server can communicate through such means as Telnet or FTP applications, which are part of the TCP/IP suite.

ANR8214E (Windows) Session open with IP host address failed due to connection refusal.

Explanation: The server is unable to establish a session because the remote system refused the connection request.

System action: Server operation continues.

User response: Ensure that the specified remote system is operational and is properly configured to run TCP/IP. Ensure that the client options file specifies the correct TCPServeraddress and TCPPort of the server you are attempting to contact.

ANR8215W (AIX) Session open with IP host address failed as unreachable.

Explanation: The server is unable to establish a session because the remote system is unreachable.

System action: Server operation continues.

User response: Ensure that the IP host address is properly specified and that it is accessible over the network. Use the TCP/IP ping command for this purpose.

ANR8215W (Windows) Session open with IP host address failed as unreachable.

Explanation: The server is unable to establish a session because the remote system is unreachable.

System action: Server operation continues.

User response: Ensure that the IP host address is properly specified and that it is accessible over the network. Use the TCP/IP ping command for this purpose.

ANR8216W (AIX) The server experienced a TCP/IP error while sending data on socket socket number. Reason return code.

Explanation: A communication error occurred on the indicated socket. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.
ANR8216E (HP-UX) • ANR8217W (Solaris)

User response: If the session is ended as a result of intentionally stopping either the client or server, no action is required. Otherwise, ensure that the client and server can communicate using Telnet or FTP applications, which are part of the TCP/IP suite.

ANR8216E (HP-UX) Unable to establish TCP/IP session with IP host address due to thread creation error.

Explanation: The server is unable to establish a session because of an error creating a thread.

System action: Server operation continues.

User response: Ensure that your system has sufficient paging space to support the current level of system activities.

ANR8216E (Linux) Unable to establish TCP/IP session with IP host address due to thread creation error.

Explanation: The server is unable to establish a session because of an error creating a thread.

System action: Server operation continues.

User response: Ensure that your system has sufficient paging space to support the current level of system activities.

ANR8216E (Solaris) Unable to establish TCP/IP session with IP host address due to thread creation error.

Explanation: The server is unable to establish a session because of an error creating a thread.

System action: Server operation continues.

User response: Ensure that your system has sufficient paging space to support the current level of system activities.

ANR8216E (Windows) Error sending data on socket socket number. Reason return code.

Explanation: The server experiences an error return code from TCP/IP while sending data over the indicated socket. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required. Otherwise, ensure that the client and server can communicate through such means as Telnet or FTP applications, which are part of the TCP/IP suite.

ANR8217W (AIX) The server experienced a TCP/IP error while receiving data on socket socket number. Reason return code.

Explanation: A communication error occurred on the indicated socket. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no action is required. Otherwise, ensure that the client and server can communicate using Telnet or FTP applications, which are part of the TCP/IP suite.

ANR8217W (HP-UX) TCP/IP driver is unable to set the window size to TCPWindowSize for client client. The default value will be used.

Explanation: The server cannot set the window size for the indicated client to the requested size shown. The server uses the default window size for the indicated session. There may be a lack of memory for TCP/IP buffers.

System action: Server operation continues and the session continues with the default window size.

User response: Retry the session with a smaller window size in the options file. Issue the QUERY OPTION command to determine the setting of the server TCPWindowSize.

ANR8217W (Linux) Unable to initialize TCP/IP driver - insufficient memory.

Explanation: Because the operating system rejects a memory allocation request, the server cannot start communications through TCP/IP.

System action: Server operation continues, but the server cannot accept sessions from clients using the TCP/IP protocol.

User response: Ensure that sufficient paging space is available for Solaris. You may also use ps -ef to determine if the number of applications is causing a memory shortage. It may be necessary to decrease the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

ANR8217W (Solaris) Unable to initialize TCP/IP driver - insufficient memory.

Explanation: Because the operating system rejects a memory allocation request, the server cannot start communications through TCP/IP.

System action: Server operation continues, but the server cannot accept sessions from clients using the TCP/IP protocol.

User response: Ensure that sufficient paging space is available for Solaris. You may also use ps -ef to determine if the number of applications is causing a memory shortage. It may be necessary to decrease the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.
**User response:** Ensure that sufficient paging space is available for Solaris. You may also use `ps -ef` to determine if the number of applications is causing a memory shortage. It may be necessary to decrease the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

**ANR8217W (Windows)**  
**Error receiving data on socket** socket number. **Reason** return code.  
**Explanation:** The server experiences an error return code from TCP/IP while receiving data on the indicated socket. This may be a normal event if either side of the connection is abruptly ended.  
**System action:** The session is ended. Server operation continues.  
**User response:** If the session is ended as a result of intentionally stopping either the client or server, no response is required. Otherwise, ensure that the client and server can communicate through such means as Telnet or FTP applications, which are part of the TCP/IP suite.

**ANR8218W (AIX)**  
**Session terminated when no data was read on socket** socket number.  
**Explanation:** The server is unable to read data on the indicated socket. This may be a normal event if either side of the connection is abruptly ended.  
**System action:** The session is ended. Server operation continues.  
**User response:** If the session is ended as a result of intentionally stopping either the client or server, no response is required. Otherwise, ensure that the client and server can communicate through such means as Telnet or FTP applications, which are part of the TCP/IP suite.

**ANR8218W (HP-UX)**  
**TCP/IP driver is unable to use the TCP/IP NODELAY option for client client.**  
**Explanation:** The server cannot set TCP/IP NODELAY for the indicated client. The session proceeds with TCP/IP Delay processing in effect. This causes TCP/IP to buffer data prior to sending it to clients.  
**System action:** Server operation continues and the session continues with the delay processing on.  
**User response:** Further details for use in contacting your service representative can be obtained by issuing the following trace commands from an administrative session or from the server console (proper administrative authority is required): TRACE ENABLE TCPIPINFO TRACE BEGIN tcptrace.out. After a session starts and displays message ANR8218W, issue the following commands: TRACE FLUSH TRACE END. This will create trace data in file tcptrace.out and will terminate the trace. This file should be supplied to your server representative on request.

**ANR8218W (Linux)**  
**Unable to resolve address for node name.**  
**Explanation:** The server attempts to obtain a TCP/IP address for the indicated node name. The attempt is unsuccessful.  
**System action:** The attempt to communicate with the indicated node fails. Server operation continues.  
**User response:** Ensure that the node name is properly specified and that it is accessible over the network. Use the TCP/IP ping command for this purpose.

**ANR8218W (Solaris)**  
**Unable to resolve address for node name.**  
**Explanation:** The server attempts to obtain a TCP/IP address for the indicated node name. The attempt is unsuccessful.  
**System action:** The attempt to communicate with the indicated node fails. Server operation continues.  
**User response:** Ensure that the node name is properly specified and that it is accessible over the network. Use the TCP/IP ping command for this purpose.

**ANR8218W (Windows)**  
**Session terminated when no data read on socket** socket number.  
**Explanation:** The server cannot read on the indicated socket. This may be a normal event if either side of the connection is abruptly ended.  
**System action:** The session is ended. Server operation continues.  
**User response:** If the session is ended as a result of intentionally stopping either the client or server, no response is required. Otherwise, ensure that the client and server can communicate through such means as Telnet or FTP applications, which are part of the TCP/IP suite.

**ANR8219W (AIX)**  
**TCP/IP driver is unable to accept a new session with client at address TCP/IP address due to an error in creating a new thread.**  
**Explanation:** The server cannot accept a client session with the client at the indicated address due to an inability to create a new thread.  
**System action:** Server operation continues, the session request fails.  
**User response:** The most likely cause is lack of memory. Ensure that sufficient paging space is available for AIX. You may also use SMIT to determine if the number of applications is causing a memory shortage. You may also decrease the maximum number of...
sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8219W (HP-UX) Unable to initialize TCP/IP driver - insufficient memory.

Explanation: Because the operating system rejects a memory allocation request, the server cannot start communications through TCP/IP.

System action: Server operation continues, but the server cannot accept sessions from clients using the TCP/IP protocol.

User response: Ensure that sufficient paging space is available for HP-UX. You may also use SMIT to determine if the number of applications is causing a memory shortage. It may be necessary to decrease the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

ANR8220W (Linux) Unable to establish TCP connection - insufficient memory.

Explanation: The server cannot accept a client session due to a memory allocation request failure.

System action: Server operation continues, but the session request for this session fails.

User response: Ensure that sufficient paging space is available for Solaris. You may also use 'swap -l' to determine the amount of swap available. You may also decrease the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8219W (Solaris) Unable to establish TCP connection - insufficient memory.

Explanation: The server cannot accept a client session due to a memory allocation request failure.

System action: Server operation continues, but the session request for this session fails.

User response: Ensure that sufficient paging space is available for Solaris. You may also use 'swap -l' to determine the amount of swap available. You may also decrease the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR820W (Windows) TCP/IP driver is unable to set the window size to TCPWindowsize for client session. The default value will be used.

Explanation: The server cannot set the window size for the indicated session to the requested size shown or cannot set the rfc1323 attribute when the window size is greater than 65535 bytes. The server uses the default window size for the indicated session. There may be a lack of memory for TCP/IP buffers.

System action: Server operation continues and the session continues with the default window size.

User response: Retry the session with a smaller window size in the options file. Issue the QUERY OPTION command to determine the setting of the server TCPWindowsize.

ANR8219W (Linux) TCP/IP driver is unable to establish TCP connection - insufficient memory.

Explanation: The server cannot accept a client session due to a memory allocation request failure.

System action: Server operation continues, but the session request for this session fails.

User response: Ensure that sufficient paging space is available for Solaris. You may also use SMIT to determine if the number of applications is causing a memory shortage. You may also decrease the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8220W (Linux) TCP/IP driver is unable to set the window size to TCPWindowsize for client session. The default value will be used.

Explanation: The server cannot set the window size for the indicated client to the requested size shown. The server uses the default window size for the indicated session. There may be a lack of memory for TCP/IP buffers.

System action: Server operation continues and the session continues with the default window size.

User response: Retry the session with a smaller window size in the options file. Issue the QUERY OPTION command to determine the setting of the server TCPWindowsize.
ANR8220W (Solaris)  TCP/IP driver is unable to set the window size to TCPWindowsize for client client. The default value will be used.

**Explanation:** The server cannot set the window size for the indicated client to the requested size shown. The server uses the default window size for the indicated session. There may be a lack of memory for TCP/IP buffers.

**System action:** Server operation continues and the session continues with the default window size.

**User response:** Retry the session with a smaller window size in the options file. Issue the QUERY OPTION command to determine the setting of the server TCPWindowsize.

ANR8220W (Windows)  TCP/IP driver is unable to contact node name due to an output socket initialization error. Reason code reason code

**Explanation:** The server attempts to contact the indicated node name. The attempt is unsuccessful due to the inability to initialize a local socket.

**System action:** The attempt to communicate with the indicated node fails.

**User response:** Ensure that TCP/IP is operating properly on this node and that it can communicate remotely. Use the TCP/IP ping command for this purpose.

ANR8221W (AIX)  TCP/IP driver is unable to use the TCP/IP NODELAY option for client client.

**Explanation:** The server cannot set TCP/IP NODELAY for the indicated client. The session proceeds with TCP/IP delay processing in effect. This causes TCP/IP to buffer data prior to sending it to clients.

**System action:** Server operation continues and the session continues with the delay processing on.

**User response:** Further details for use in contacting your service representative can be obtained by issuing the following trace commands from an administrative session or from the console (proper administrative authority is required): TRACE ENABLE TCPIPINFO TRACE BEGIN tcptrace.out. After a session starts and displays message ANR8221W, issue the following commands: TRACE FLUSH TRACE END. This will create trace data in file tcptrace.out and will terminate the trace. This file should be supplied to your service representative on request.

ANR8221W (Solaris)  TCP/IP driver is unable to use the TCP/IP NODELAY option for client client.

**Explanation:** The server cannot set TCP/IP NODELAY for the indicated client. The session proceeds with TCP/IP delay processing in effect. This causes TCP/IP to buffer data prior to sending it to clients.

**System action:** Server operation continues and the session continues with delay processing on.

**User response:** Further details for use in contacting your service representative can be obtained by issuing the following trace commands from an administrative session or from the server console (proper administrative authority is required): TRACE ENABLE TCPIPINFO TRACE BEGIN tcptrace.out. After a session starts and displays message ANR8221W, issue the following commands: TRACE FLUSH TRACE END. This will create trace data in file tcptrace.out and will terminate the trace. This file should be supplied to your service representative on request.
ANR8221W (Windows) • ANR8223W (AIX)

ANR8221W (Windows) TCP/IP driver is unable to set the window size to TCPWindowSize for session session, client client. The default value will be used.

Explanation: The server cannot set the window size for the indicated session/client to the requested size shown. The server will use the default window size for the indicated session.

System action: Server operation continues and the session continues with the default window size.

User response: The most likely cause is lack of memory for TCP/IP buffers. You may retry with a smaller TCP window size in the options file. You can issue the QUERY OPTION command to display the current setting of the TCP window size.

ANR8221W (AIX) TCP/IP driver is unable to set the window size to TCPWindowSize for the server master socket. The default value will be used.

Explanation: The server cannot set the window size for the socket on which the server listens to the requested size shown. The server uses the default window size for listening for sessions. There may be a lack of memory for TCP/IP buffers.

System action: Server operation continues with the default window size.

User response: Restart the server with a smaller window size in the options file if necessary. Issue the QUERY OPTION command to determine the setting of the server TCPWindowSize.

ANR8221W (HP-UX) The TCP/IP administrative driver was unable to initialize due to error using Port port, reason code reason code.

Explanation: While initializing TCP/IP communications for administrative sessions, the server failed to connect to a master socket to listen for clients. The reason code is the return code from the TCP/IP bind API.

System action: Server operation continues, but the server cannot accept administrative sessions from clients using the TCP/IP protocol. This also includes server-server sessions, storage agent to server sessions, and library client to server sessions.

User response: Ensure that no other application is using the port number specified in the server options file with the TCPADMINPORT option. If the server was brought down and client sessions were active, it can be necessary to end the client sessions on the client systems before the port can be freed.

ANR8222W (Linux) Unable to establish TCP connection - server HALT in progress.

Explanation: The server cannot accept a client session due to server HALT processing that is in progress.

System action: Server operation continues, but the session request for this session fails.

User response: None.

ANR8222W (Solaris) Unable to establish TCP connection - server HALT in progress.

Explanation: The server cannot accept a client session due to server HALT processing that is in progress.

System action: Server operation continues, but the session request for this session fails.

User response: None.

ANR8222W (Windows) TCP/IP driver is unable to use the TCP/IP NODELAY option for client client.

Explanation: The server cannot set TCP/IP NODELAY for the indicated client. The session proceeds with TCP/IP Delay processing in effect. This causes TCP/IP to buffer data prior to sending it to clients.

System action: Server operation continues and the session continues with the delay processing on.

User response: Further details for use in contacting your service representative can be obtained by issuing the following trace commands from an administrative session or from the server console (proper administrative authority is required): TRACE ENABLE TCPINFO TRACE BEGIN tcptrace.out After a session starts and displays message ANR8222W, issue the following commands: TRACE FLUSH TRACE END This will create trace data in file tcptrace.out and will terminate the trace. This file should be supplied to your service representative on request.

ANR8222W (AIX) Unable to connect to remote system RemoteSystem due to unexpected return code ReturnCode.

Explanation: The server was unable to connect to a remote system due to an unexpected return code from the connect Application Programming Interface. Common return code are handled with specific messages. This return code was unexpected.

System action: Server operation continues but the connection to the remote system fails.

User response: TCP/IP return code are listed in file /usr/include/sys/errno.h and may provide a pointer to the underlying problem. /usr/include/sys/errno.h is part of fileset bos.adt.include.
ANR8223W (HP-UX)  The TCP/IP driver is unable to accept a new session with the client at address TCP/IP address, due to an error in creating a new thread.

Explanation: The server cannot accept a client session with the client at the indicated address due to an inability to create a new thread.

System action: Server operation continues, but the session request fails.

User response: The cause is probably lack of memory. Ensure that sufficient paging space is available for AIX. You might also use SMIT to determine if the number of applications is causing a memory shortage. You might also decrease the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8223W (Linux)  TCP/IP driver is unable to accept a new session with client at address TCP/IP address due to an error in creating a new thread.

Explanation: The server cannot accept a client session with the client at the indicated address due to an inability to create a new thread.

System action: Server operation continues, the session request fails.

User response: The most likely cause is lack of memory. Ensure that sufficient paging space is available for Solaris. You may also use ps -ef to determine if the number of applications is causing a memory shortage. You may also decrease the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8223W (Solaris)  TCP/IP driver is unable to accept a new session with client at address TCP/IP address due to an error in creating a new thread.

Explanation: The server cannot accept a client session with the client at the indicated address due to an inability to create a new thread.

System action: Server operation continues, the session request fails.

User response: The most likely cause is lack of memory. Ensure that sufficient paging space is available for Solaris. You may also use ps -ef to determine if the number of applications is causing a memory shortage. You may also decrease the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8224W (Windows)  Failed to connect to system at address address port port.

Explanation: The server attempted to contact the indicated node name at the specified port. The attempt is unsuccessful. The target port is not valid at the target node.

System action: The attempt to communicate with the indicated node fails. Server operation continues.

User response: Ensure that the node name still has TCP/IP running and that the client is active in SCHEDULE mode. If the server is attempting contact with the SNMP subagent, ensure that the hostname and port number for the subagent is correct in the server options file.

ANR8224W (AIX)  TCP/IP Administrative driver was unable to initialize due to error in using port port, reason code reason code.

Explanation: While initializing TCP/IP communications for administrative sessions, the server has failed to connect to a master socket on which to listen for clients. The reason code is the return code from the TCP/IP bind API.

System action: Server operation continues, but the server cannot accept administrative sessions from clients using the TCP/IP protocol. This also includes server to server sessions, storage agent to server sessions, and library client to server sessions.

User response: Ensure that no other application is using the port number specified in the server options file with the TCPADMINPORT or TCPPORT options. If the server was brought down and client sessions were active, it may be necessary to terminate the client sessions on the client systems before the port can be freed.

ANR8224E (HP-UX)  The server is unable to open the file due to the system limit.

Explanation: An error occurs when the server attempts to open a file.

System action: Server operation continues, but files cannot be opened until the problem is fixed.

User response: Use the System Administrator Manager (SAM) program to increase the value of the maxfiles parameter. This value determines the maximum number of files a process is allowed to open at one time. For proper server operation, increase the maxfiles value to at least 512.

ANR8224W (Linux)  TCP/IP driver is unable to set the window size to TCPWindowsize for the server master socket. The default value will be used.

Explanation: The server cannot set the window size
ANR8224W (Solaris) • ANR8226E (AIX)

for the socket on which the server listens to the requested size shown. The server uses the default window size for listening for sessions. There may be a lack of memory for TCP/IP buffers.

System action: Server operation continues with the default window size.

User response: Restart the server with a smaller window size in the options file if necessary. Issue the QUERY OPTION command to determine the setting of the server TCPWindowsize.

ANR8224W (Solaris) TCP/IP driver is unable to set the window size to TCPWindowsize for the server master socket. The default value will be used.

Explanation: The server cannot set the window size for the socket on which the server listens to the requested size shown. The server uses the default window size for listening for sessions. There may be a lack of memory for TCP/IP buffers.

System action: Server operation continues with the default window size.

User response: Restart the server with a smaller window size in the options file if necessary. Issue the QUERY OPTION command to determine the setting of the server TCPWindowsize.

ANR8225I (Solaris) TCP/IP Version 4 administrative driver ready for connection with clients on port port number.

Explanation: The server can now accept sessions with administrative clients using the TCP/IP Version 4 protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8225I (Windows) TCP/IP Version 4 driver ready for connection with clients on port port number.

Explanation: The server can now accept sessions with administrative clients using the TCP/IP Version 4 protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8225I (Solaris) TCP/IP Version 6 driver ready for connection with clients on port port number.

Explanation: The server can now accept sessions with administrative clients using the TCP/IP Version 6 protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8226E (AIX) Error errno detecting version of HBA-API library.

Explanation: The server attempted to determine the level of the devices.common.IBM.fc.hba-api fileset and encountered an error.

System action: Server operation continues, but without accurate SAN device mapping.

User response: None.
ANR8226I (Linux)  TCP/IP Version 4 administrative driver ready for connection with clients on port port number.

Explanation: The server can now accept sessions with administrative clients using the TCP/IP Version 4 protocol on the indicated port number.

System action: Server operation continues.

User response: None.

ANR8226W (Solaris) TCP/IP Administrative driver was unable to initialize due to error in using port port, reason code reason code.

Explanation: The TCP/IP administrative driver was unable to initialize due to an error in running the BIND API to port port, reason code reason code.

System action: Server operation continues, but the server cannot accept administrative sessions from clients using the TCP/IP protocol. This also includes server to server sessions, storage agent to server sessions, and library client to server sessions.

System action: Server operation continues, but the server cannot accept administrative sessions from clients using the TCP/IP protocol. This also includes server-server sessions, storage agent to server sessions, and library client-server sessions.

User response: Ensure that no other application is using the port number specified in the server options file with the TCPADMINPORT or TCPPORT options. If the server was brought down and client sessions were active, it can be necessary to terminate the client sessions on the client systems before the port can be freed.

ANR8226W (Windows) Unable to initialize NETBIOS driver on adapter network adapter number.

Explanation: The server cannot obtain sufficient NETBIOS resources to initialize communications on the indicated network adapter.

System action: Server operation continues, but the server will not accept sessions from clients that use the NETBIOS protocol.

User response: Ensure that NETBIOS is configured on the system. Ensure that all NETBIOS resources are not already in use. If the LAN Server or LAN Requester application is running, you have NETBIOS configured. In that case, starting the server prior to starting LAN Server or LAN Requester may allow the server to obtain the necessary NETBIOS resources.

ANR8227E (AIX) Fileset devices.common.IBM.fc.hba-api is not at the required level.

Explanation: The specified fileset is at a level that is incompatible with TSM operations. Install the latest maintenance for this fileset if you use SAN devices.

System action: Server operation continues, but without accurate SAN device mapping.

User response: None.

ANR8227W (Linux) Unable to connect to remote system RemoteSystem due to unexpected return code ReturnCode.

Explanation: The server was unable to connect to a remote system due to an unexpected return code from the connect Application Programming Interface. Common return code are handled with specific messages. This return code was unexpected.

System action: Server operation continues but the connection to the remote system fails.

User response: TCP/IP return code are listed in file /usr/include/asm/errno.h and may provide a pointer to the underlying problem.

ANR8227W (Solaris) Unable to connect to remote system RemoteSystem due to unexpected return code ReturnCode.

Explanation: The server was unable to connect to a remote system due to an unexpected return code from the connect Application Programming Interface. Common return code are handled with specific messages. This return code was unexpected.

System action: Server operation continues but the connection to the remote system fails.

User response: TCP/IP return code are listed in file /usr/include/sys/errno.h and may provide a pointer to the underlying problem.

ANR8227W (Windows) NETBIOS connection terminated - insufficient memory, network adapter network adapter number.

Explanation: The server cannot listen for client sessions on the specified network adapter due to a memory allocation request failure.

System action: Server operation continues, but the sessions will not be accepted on the specified adapter. Other network adapters remain unaffected.

User response: The most likely cause is a lack of memory. Ensure that there is sufficient space for the Windows paging file. Click on the system icon in the Windows NT control panel and then click on the virtual memory button. Refer to the online help for

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**ANR8228W (Windows) • ANR8231W (Windows)**

Instructions on how to increase the amount of virtual memory.

**ANR8228W (Windows) NETBIOS connection terminated - server HALT in progress.**

**Explanation:** The server cannot accept a client session due to server HALT processing that is in progress.

**System action:** Server operation continues, but the session request for this session fails.

**User response:** None.

**ANR8229W (Windows) Unable to add server name server name to adapter network adapter number.**

**Explanation:** The server cannot initialize communications processing using the NETBIOS protocol on the indicated network adapter because the server name cannot be added as a NETBIOS name on the adapter.

**System action:** Server operation continues, but client sessions from clients using the NETBIOS protocol will not be accepted on this adapter. Other adapters are not affected.

**User response:** The most likely cause for this message is the presence of another system on the network that is using the same name for NETBIOS communications. This may be another server or client or a LAN Requester node. Changing or adding the NETBIOSNAME option for this adapter in your server options file and restarting the server may allow this adapter to be used with NETBIOS communications.

**ANR8230I (Linux) TCP/IP Version 6 driver ready for connection with clients on port port number.**

**Explanation:** The server can now accept sessions with clients using the TCP/IP Version 6 protocol on the indicated port number.

**System action:** Server operation continues.

**User response:** None.

**ANR8230I (Solaris) TCP/IP Version 6 driver ready for connection with clients on port port number.**

**Explanation:** The server can now accept sessions with clients using the TCP/IP Version 6 protocol on the indicated port number.

**System action:** Server operation continues.

**User response:** None.

**ANR8230W (Windows)  ANR8231W (Windows) Insufficient memory to start NETBIOS session on adapter network adapter number.**

**Explanation:** The server cannot accept a client session due to a memory allocation request failure on the specified adapter.

**System action:** Server operation continues, but the session request fails.

**User response:** The most likely cause is a lack of memory. Ensure that there is sufficient space for the Windows paging file. Click on the system icon in the Windows NT control panel and then click on the virtual memory button. Refer to the online help for instructions on how to increase the amount of virtual memory. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS or the NETBIOSSESSIONS option, or both, in the server options file.

**ANR8231W (Windows) Unable to create thread to accept NETBIOS sessions.**

**Explanation:** The server cannot initialize due to the inability to create a new thread of execution.

**System action:** Server operation continues, but NETBIOS communications is inoperative.

**User response:** The most likely cause is a lack of memory. Ensure that there is sufficient space for the Windows paging file. Click on the system icon in the Windows NT control panel and then click on the virtual memory button. Refer to the online help for instructions on how to increase the amount of virtual memory. You may also wish to cut down on the maximum number of sessions that the server can accept.
ANR8232W (Windows) Unable to create thread to listen for NETBIOS sessions on adapter network adapter number.

Explanation: The server cannot initialize due to the inability to create a new thread of execution to monitor the indicated network adapter.

System action: Server operation continues, but NETBIOS communications is inoperative on the indicated adapter. Other adapters remain unaffected.

User response: The most likely cause is a lack of memory. Ensure that there is sufficient space for the Windows paging file. Click on the system icon in the Windows NT control panel and then click on the virtual memory button. Refer to the online help for instructions on how to increase the amount of virtual memory. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS or the NETBIOSSESSIONS option, or both, in the server options file.

ANR8233E (AIX) Unable to acquire local port information. getaddrinfo return code return code.

Explanation: The server or storage agent used the system getaddrinfo API to determine which TCP/IP protocols could be used. A failure occurred, as indicated by the system error code that is shown. The server was initializing TCP/IP communications.

System action: TCP/IP communications is inoperative.

User response: System information concerning return codes from the getaddrinfo system API should be consulted. Ensure that TCP/IP networking for either TCP/IP version 4 or version 6 is operating correctly.

ANR8233E (Solaris) Unable to acquire local port information. getaddrinfo return code return code.

Explanation: The server or storage agent used the system getaddrinfo API to determine which TCP/IP protocols could be used. A failure occurred, as indicated by the system error code that is shown. The server was initializing TCP/IP communications.

System action: TCP/IP communications is inoperative.

User response: System information concerning return codes from the getaddrinfo system API should be consulted. Ensure that TCP/IP networking for either TCP/IP version 4 or version 6 is operating correctly.

ANR8233E (Linux) Unable to acquire local port information. getaddrinfo return code return code.

Explanation: The server or storage agent used the system getaddrinfo API to determine which TCP/IP protocols could be used. A failure occurred, as indicated by the system error code that is shown. The server was initializing TCP/IP communications.

System action: TCP/IP communications is inoperative.

User response: System information concerning return codes from the getaddrinfo system API should be consulted. Ensure that TCP/IP networking for either TCP/IP version 4 or version 6 is operating correctly.

ANR8234I (AIX) TCP/IP Version 6 administrative driver ready for connection with clients on port port number.

Explanation: The server can now accept sessions with administrative clients using the TCP/IP Version 6

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ANR8234I (HP-UX) • ANR8236W (Windows)

<table>
<thead>
<tr>
<th>Protocol on the indicated port number.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System action:</strong> Server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong> None.</td>
</tr>
</tbody>
</table>

ANR8234I (HP-UX) The TCP/IP Version 6 administrative driver is ready for connection with clients on port port number.

**Explanation:** The server can now accept sessions with administrative clients using the TCP/IP Version 6 protocol on the indicated port number.

**System action:** Server operation continues.

**User response:** None.

ANR8234I (Linux) TCP/IP Version 6 administrative driver ready for connection with clients on port port number.

**Explanation:** The server can now accept sessions with administrative clients using the TCP/IP Version 6 protocol on the indicated port number.

**System action:** Server operation continues.

**User response:** None.

ANR8234I (Solaris) TCP/IP Version 6 administrative driver ready for connection with clients on port port number.

**Explanation:** The server can now accept sessions with administrative clients using the TCP/IP Version 6 protocol on the indicated port number.

**System action:** Server operation continues.

**User response:** None.

ANR8234I (Windows) TCP/IP Version 6 administrative driver ready for connection with clients on port port number.

**Explanation:** The server can now accept sessions with administrative clients using the TCP/IP Version 6 protocol on the indicated port number.

**System action:** Server operation continues.

**User response:** None.

ANR8235W (Windows) Requested number of NETBIOS sessions are not available on adapter network adapter number, proceeding with available sessions.

**Explanation:** The server cannot acquire the requested number of NETBIOS sessions for the indicated adapter. The server attempts to acquire the number of NETBIOS sessions as indicated by the NETBIOSSESSIONS parameter of the server options file or, if this option is not specified, by the MAXSESSIONS option.

**System action:** Server operation continues, but the maximum number of NETBIOS sessions is limited to the number of sessions that are acquired.

**User response:** Ensure that the required number of NETBIOS resources are not already in use. If the LAN Server or LAN Requester application is running, you have NETBIOS configured. In that case, starting the server prior to starting LAN Server or LAN Requester may allow the server to obtain the requested NETBIOS resources.

ANR8236W (Windows) Failure while listening for NETBIOS sessions on adapter network adapter number, NETBIOS listen return code=listen return code.

**Explanation:** The server cannot listen for NETBIOS sessions on the indicated adapter. The indicated listen return code was received from the NETBIOS listen API. If the return code is 24, (hex 18), the listen is retried.

**System action:** Server operation continues. If the return code is 24 (hex 18), a new listen is setup because return code 24 indicates a temporary failure. Otherwise, no additional NETBIOS sessions will start using the indicated adapter until the problem is corrected and the server is restarted.

**User response:** A NETBIOS listen failure is an indication of a network problem, an adapter problem, or a NETBIOS configuration problem. The following system configuration and system environment listen return codes (in hex) and resolution actions for a listen failure are found in the IBM Local Area Network Technical Reference:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>The local session table is full. The maximum number of sessions are in use. Change NETBIOS configuration to increase the maximum number of sessions.</td>
</tr>
<tr>
<td>19</td>
<td>Name conflict. Ensure that the Server NETBIOS name is not in use elsewhere on the network.</td>
</tr>
<tr>
<td>22</td>
<td>There are too many commands pending. The maximum number of sessions are in use. Change NETBIOS configuration to increase the maximum number of sessions.</td>
</tr>
<tr>
<td>35</td>
<td>The operating system resources are exhausted. A reboot is probably required.</td>
</tr>
</tbody>
</table>
ANR8237E (Windows) • ANR8266W (Windows)

ANR8237E (Windows)  Unable to acquire local port information. getaddrinfo return code return code.

Explanation: The server or storage agent used the system getaddrinfo API to determine which TCP/IP protocols could be used. A failure occurred, as indicated by the system error code that is shown. The server was initialize TCP/IP communications.

System action:  TCP/IP communications is inoperative.

User response: System information concerning return codes from the getaddrinfo system API should be consulted. Ensure that TCP/IP networking for either TCP/IP version 4 or version 6 is operating correctly.

ANR8260I (Windows) Named Pipes driver ready for connection with clients.

Explanation: The server is now able to accept sessions with clients using the Named Pipes protocol.

System action: Server operation continues.

User response: None.

ANR8261W (Windows) Named Pipes connection terminated - insufficient memory.

Explanation: The server cannot accept a client session due to a memory allocation request failure.

System action: Server operation continues. Named Pipes communications is inoperative.

User response: The most likely cause is a lack of memory. Ensure that there is sufficient space for the Windows paging file. Click on the system icon in the Windows NT control panel and then click on the virtual memory button. Refer to the online help for instructions on how to increase the amount of virtual memory. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8262W (Windows) Named Pipes driver is terminating due to error in creating a new thread.

Explanation: The server cannot initialize due to the inability to create a new thread of execution.

System action: Server operation continues, but Named Pipes communications is inoperative.

User response: The most likely cause is a lack of memory. Ensure that there is sufficient space for the Windows paging file. Click on the system icon in the Windows NT control panel and then click on the virtual memory button. Refer to the online help for instructions on how to increase the amount of virtual memory. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8263W (Windows) Error sending data on Named Pipes, session session number. WriteFile Return code is return code.

Explanation: The server experiences an error return code from the WriteFile Windows NT API while writing data to Named Pipes over the indicated session. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.

ANR8264W (Windows) Error reading data on Named Pipes, session session number. ReadFile return code is return code.

Explanation: The server experiences an error return code from the ReadFile Windows API while reading data from Named Pipes in the indicated session. This may be a normal event if either side of the connection is ended abruptly.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.

ANR8265W (Windows) Error open Named Pipes Named Pipes name, CreateNamedPipe return code return code.

Explanation: The server experiences an error return code when trying to open the indicated Named Pipes name for Named Pipes communication with a client. The return code shown is returned by the Windows CreateNamedPipe API.

System action: The session is ended. Server operation continues. Named Pipes communications is inoperative.

User response: The server may have run out of file handles. Stop and restart the server to reenable Named Pipes communications. It is not normal to run out of file handles. A system or logic error may be the underlying cause.

ANR8266W (Windows) Error accepting connection on Named Pipes Named Pipes name, ConnectNamedPipe return code return code.

Explanation: The server experiences an error return
code when trying to complete a connection on the indicated Named Pipes name for Named Pipes communication with a client. The return code shown is returned by the Windows ConnectNamedPipe API.

**System action:** The session is ended. Server operation continues. Named Pipes communications is inoperative.

**User response:** A system problem may be preventing use of Named Pipes. Stop and restart the server to reenable Named Pipes communications.

---

ANR8267W (Windows)  Error initializing a security descriptor for Named Pipes

**Name:** Named Pipes name, **reason:** System message.

**Explanation:** The server experiences an error return code when trying to initialize the indicated Named Pipe for Named Pipes communication with a client. The reason shown is returned by the Windows FormatMessage API.

**System action:** The session is ended. Server operation continues. Named Pipes communications is inoperative.

**User response:** Administrator Privileges are required. Login using an account with Administrator privileges and restart the server to reenable Named Pipes communications.

---

ANR8268W (Windows)  Named Pipe communications were not enabled due to an error looking up the following Windows group name: Windows group name. Use the Windows User manager to add the specified group. Members of the group will then use Windows unified logon to access the server over Named pipes.

**Explanation:** The server experiences an error return code when trying to initialize the indicated Named Pipe for Named Pipes communication with a client. The system could not find the Windows Account name specified in the server options file.

**System action:** The session is ended. Server operation continues. Named Pipes communications is inoperative.

**User response:** To use Windows unified logon specify the name of a valid Windows account or group name. Restart the server to reenable Named Pipes communications.

---

ANR8269W (Windows)  Error opening Named Pipe

**Name:** Named Pipes name, **reason:** System message.

**Explanation:** The server experiences an error return code when trying to open the indicated Named Pipe for Named Pipes communication with a client. The reason shown is returned by the Windows FormatMessage API.

**System action:** The session is ended. Server operation continues. Named Pipes communications is inoperative.

---

ANR8270W (Windows)  Error opening Named Pipe

**Name:** Named Pipes name, **reason:** System message.

**Explanation:** The server experiences an error return code when trying to open the indicated Named Pipe for Named Pipes communication with a client. The reason shown is returned by the Windows FormatMessage API.

**System action:** The session is ended. Server operation continues. Named Pipes communications is inoperative.

---

ANR8271W (Windows)  Error opening Named Pipe

**Name:** Named Pipes name, **reason:** System message.

**Explanation:** The server experiences an error return code when trying to open the indicated Named Pipe for Named Pipes communication with a client. The reason shown is returned by the Windows FormatMessage API.

**System action:** The session is ended. Server operation continues. Named Pipes communications is inoperative.

---

ANR8272W (Windows)  Error opening Named Pipe

**Name:** Named Pipes name, **reason:** System message.

**Explanation:** The server experiences an error return code when trying to open the indicated Named Pipe for Named Pipes communication with a client. The reason shown is returned by the Windows FormatMessage API.

**System action:** The session is ended. Server operation continues. Named Pipes communications is inoperative.

---

ANR8273I (Windows)  Shared memory driver ready for connection with clients on port port number.

**Explanation:** The server is now able to accept sessions with clients using the shared memory protocol on the indicated port.

**System action:** Server operation continues.

**User response:** None.

---

ANR8274W (Windows)  Shared memory communications driver is terminating due to error in creating a new thread.

**Explanation:** The server cannot initialize due to the inability to create a new thread of execution.

**System action:** Server operation continues. Shared memory communications is inoperative.

**User response:** The most likely cause is a lack of memory. Ensure that there is sufficient space for the Windows paging file. Click on the system icon in the Windows NT control panel and then click on the virtual memory button. Refer to the online help for instructions on how to increase the amount of virtual memory.

---

ANR8275W (Windows)  Shared memory connection terminated - insufficient memory.

**Explanation:** The server cannot accept a client session due to a memory allocation request failure.

**System action:** Server operation continues. Shared memory communications is inoperative.

**User response:** The most likely cause is a lack of memory. Ensure that there is sufficient space for the Windows paging file. Click on the system icon in the Windows NT control panel and then click on the virtual memory button. Refer to the online help for instructions on how to increase the amount of virtual memory. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

---

ANR8276W (Windows)  Shared memory connection terminated - unable to initialize. Key channel key, Reason: reason code.

**Explanation:** The server cannot accept a client session due being unable to initialize shared memory.

**System action:** Server operation continues. Shared memory communications is inoperative.
**ANR8277E (Windows)**  
Shared memory unable to initialize - Port: *shm port number*, Reason: *reason code*.

**Explanation:** The server cannot accept a client session because it could not initialize a communication channel. Make sure no other server or storage agent running on the same machine is using the same shm port number.

**System action:** Server operation continues. Shared memory communications are inoperative.

**User response:** Try a different shared memory session.

TCP/IP is also in use for client sessions, ensure that the same port number is not specified for TCP/IP communications and SNMP communications. This may be done by issuing the TCP/IP `netstat` command.

**ANR8283W (Linux)**  
SNMP driver unable to initialize due to error in BINDing to Port *port*, reason code *reason code*.

**Explanation:** While initializing TCP/IP communications, the server has failed to connect to a master TCP/IP socket on which to listen to SNMP subagents. The reason code is the return code from the TCP/IP bind API.

**System action:** Server operation continues, but the server cannot accept sessions from SNMP subagents to run macro commands.

**User response:** Ensure that no other application is using the port number specified in the server options file with the `PORT` option. If TCP/IP is also in use for client sessions, ensure that the same port number is not specified for TCP/IP and SNMP communications.

**ANR8283W (Solaris)**  
SNMP driver unable to initialize due to error in BINDing to Port *port*, reason code *reason code*.

**Explanation:** While initializing TCP/IP communications, the server has failed to connect to a master TCP/IP socket on which to listen to SNMP subagents. The reason code is the return code from the TCP/IP bind API.

**System action:** Server operation continues, but the server cannot accept sessions from SNMP subagents to run macro commands.

**User response:** Ensure that no other application is using the port number specified in the server options file with the `PORT` option. If TCP/IP is also in use for client sessions, ensure that the same port number is not specified for TCP/IP communications and SNMP communications.

**ANR8284E (AIX)**  
The Shared Memory Communications Protocol could not initialize.

**Explanation:** The server was unable to initialize the Shared Memory Communications Protocol due to an error.

**System action:** Server operation continues without Shared Memory Communications.

**User response:** Examine previous error messages for the cause of the failure.
ANR8284E (HP-UX)  The Shared Memory Communications Protocol could not initialize.

**Explanation:** The server was unable to initialize the Shared Memory Communications Protocol due to an error.

**System action:** Server operation continues without Shared Memory Communications.

**User response:** Examine previous error messages for the cause of the failure.

ANR8284E (Linux)  The Shared Memory Communications Protocol could not initialize.

**Explanation:** The server was unable to initialize the Shared Memory Communications Protocol due to an error.

**System action:** Server operation continues without Shared Memory Communications.

**User response:** Examine previous error messages for the cause of the failure.

ANR8284E (Solaris)  The Shared Memory Communications Protocol could not initialize.

**Explanation:** The server was unable to initialize the Shared Memory Communications Protocol due to an error.

**System action:** Server operation continues without Shared Memory Communications.

**User response:** Examine previous error messages for the cause of the failure.

ANR8284E (Windows)  The Shared Memory driver ready for connection with clients on port port

**Explanation:** The server is now able to accept sessions with clients using the Shared Memory protocol.

**System action:** Server operation continues.

**User response:** None.

ANR8285I (Linux)  Shared Memory driver ready for connection with clients on port port

**Explanation:** The server is now able to accept sessions with clients using the Shared Memory protocol.

**System action:** Server operation continues.

**User response:** None.

ANR8285I (Solaris)  Shared Memory driver ready for connection with clients on port port

**Explanation:** The server is now able to accept sessions with clients using the Shared Memory protocol.

**System action:** Server operation continues.

**User response:** None.

ANR8285I (Windows)  SNMP driver ready for connection with subagent on port port number.

**Explanation:** The server can now accept sessions with SNMP subagents on the indicated port number.

**System action:** Server operation continues.

**User response:** None.

ANR8286W (AIX)  Unable to initialize Shared Memory driver - insufficient memory.

**Explanation:** Because the operating system rejected a memory allocation request, the server cannot start communications through the Shared Memory protocol.

**System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

**User response:** Ensure that there is sufficient paging space for AIX. You may also use SMIT to determine if the number of applications is causing a memory shortage. It may be necessary to cut down on the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

ANR8286W (HP-UX)  Unable to initialize Shared Memory driver - insufficient memory.

**Explanation:** Because the operating system rejected a memory allocation request, the server cannot start communications through the Shared Memory protocol.

**System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

**User response:** Ensure that there is sufficient paging space for HP-UX. You may also use SAM to determine if the number of applications is causing a memory shortage. It may be necessary to cut down on the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.
MAXSESSIONS option in the server options file.

**ANR8286W (Linux)** Unable to initialize Shared Memory driver - insufficient memory.

**Explanation:** Because the operating system rejected a memory allocation request, the server cannot start communications through the Shared Memory protocol.

**System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

**User response:** Ensure that there is sufficient swap space for Solaris. It may be necessary to cut down on the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

**ANR8286W (Solaris)** Unable to initialize Shared Memory driver - insufficient memory.

**Explanation:** Because the operating system rejected a memory allocation request, the server cannot start communications through the Shared Memory protocol.

**System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

**User response:** Ensure that there is sufficient swap space for Solaris. It may be necessary to cut down on the maximum number of client sessions by changing the MAXSESSIONS option in the server options file.

**ANR8286W (Windows)** SNMP driver unable to initialize due to error in BINDing to Port port, reason code reason code.

**Explanation:** While initializing TCP/IP communications, the server has failed to connect to a master TCP/IP socket on which to listen to SNMP subagents. The reason code is the return code from the TCP/IP bind API.

**System action:** Server operation continues, but the server cannot accept sessions from SNMP subagents to run macro commands.

**User response:** Ensure that no other application is using the port number specified in the server options file with the PORT option. If TCP/IP is also in use for client sessions, ensure that the same port number is not specified for TCP/IP communications and SNMP communications. This may be done by issuing the TCP/IP netstat -s command. If the server is brought down and then started immediately, you may be within the TCP/IP one minute timeout period for port reusage. Bring down the server, wait one minute, and then restart the server. If that does not work, it may be necessary to restart Windows.

**ANR8287W (Linux)** Unable to initialize Shared Memory driver - error creating acceptor socket. Reason code reason code.

**Explanation:** Because TCP/IP rejected a request for a socket on which to listen, the server cannot start communications through Shared Memory.

**System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

**User response:** If TCP/IP is not started, use the HALT command from any server prompt to stop the server, and restart it.

**ANR8287W (AIX)** Unable to initialize Shared Memory driver - error creating acceptor socket. Reason code reason code.

**Explanation:** Because TCP/IP rejected a request for a socket on which to listen, the server cannot start communications through Shared Memory.

**System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

**User response:** If TCP/IP is not started, use the HALT command from any server prompt to stop the server, and restart it.

**ANR8287W (HP-UX)** Unable to initialize Shared Memory driver - error creating acceptor socket. Reason code reason code.

**Explanation:** Because TCP/IP rejected a request for a socket on which to listen, the server cannot start communications through Shared Memory.

**System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

**User response:** If TCP/IP is not started, use the HALT command from any server prompt to stop the server, and restart it.

**ANR8287W (Linux)** Unable to initialize Shared Memory driver - error creating acceptor socket. Reason code reason code.

**Explanation:** Because TCP/IP rejected a request for a socket on which to listen, the server cannot start communications through Shared Memory.

**System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

**User response:** If TCP/IP is not started, use the HALT command from any server prompt to stop the server, and restart it.

**ANR8287W (Solaris)** Unable to initialize Shared Memory driver - error creating acceptor socket. Reason code reason code.

**Explanation:** Because TCP/IP rejected a request for a socket on which to listen, the server cannot start communications through Shared Memory.

**System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

**User response:** If TCP/IP is not started, use the HALT command from any server prompt to stop the server, and restart it.
ANR8288W (AIX) • ANR8289W (Solaris)

ANR8288W (AIX) Unable to establish Shared Memory connection - insufficient memory.

Explanation: The server cannot accept a client session due to a memory allocation request failure.

System action: Server operation continues, but the session request for this session fails.

User response: Ensure that there is sufficient paging space for AIX. You may also use SMIT to determine if the number of applications is causing a memory shortage. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8288W (HP-UX) Unable to establish Shared Memory connection - insufficient memory.

Explanation: The server cannot accept a client session due to a memory allocation request failure.

System action: Server operation continues, but the session request for this session fails.

User response: Ensure that there is sufficient paging space for HP-UX. You may also use SAM to determine if the number of applications is causing a memory shortage. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8288W (Linux) Unable to establish Shared Memory connection - insufficient memory.

Explanation: The server cannot accept a client session due to a memory allocation request failure.

System action: Server operation continues, but the session request for this session fails.

User response: Ensure that there is sufficient swap space for Solaris. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8288W (Solaris) Unable to establish Shared Memory connection - insufficient memory.

Explanation: The server cannot accept a client session due to a memory allocation request failure.

System action: Server operation continues, but the session request for this session fails.

User response: Ensure that there is sufficient swap space for Solaris. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8289W (AIX) Shared Memory driver is terminating due to error in creating a new thread.

Explanation: The server cannot initialize due to the inability to create a new thread of execution.

System action: Server operation continues, but Shared Memory communications is inoperative.

User response: The most likely cause is a lack of memory. Ensure that there is sufficient paging space for AIX. You may also use SMIT to determine if the number of applications is causing a memory shortage. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8289W (HP-UX) Shared Memory driver is terminating due to error in creating a new thread.

Explanation: The server cannot initialize due to the inability to create a new thread of execution.

System action: Server operation continues, but Shared Memory communications is inoperative.

User response: The most likely cause is a lack of memory. Ensure that there is sufficient paging space for HP-UX. You may also use SAM to determine if the number of applications is causing a memory shortage. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8289W (Linux) Shared Memory driver is terminating due to error in creating a new thread.

Explanation: The server cannot initialize due to the inability to create a new thread of execution.

System action: Server operation continues, but Shared Memory communications is inoperative.

User response: The most likely cause is a lack of memory. Ensure that there is sufficient swap space for Solaris. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8289W (Solaris) Shared Memory driver is terminating due to error in creating a new thread.

Explanation: The server cannot initialize due to the inability to create a new thread of execution.
System action: Server operation continues, but Shared Memory communications is inoperative.

User response: The most likely cause is a lack of memory. Ensure that there is sufficient swap space for Solaris. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8290W (AIX)  Error sending data through Shared Memory. Reason return code.

Explanation: The server experienced an error return code while sending data through shared memory. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.

ANR8291W (AIX)  Error receiving data through Shared Memory. Reason return code.

Explanation: The server experienced an error return code while receiving data through the Shared Memory protocol. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.

ANR8290W (HP-UX)  Error sending data through Shared Memory. Reason return code.

Explanation: The server experienced an error return code while sending data through shared memory. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.

ANR8291W (HP-UX)  Error receiving data through Shared Memory. Reason return code.

Explanation: The server experienced an error return code while receiving data through the Shared Memory protocol. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.

ANR8290W (Linux)  Error sending data through Shared Memory. Reason return code.

Explanation: The server experienced an error return code while sending data through shared memory. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.

ANR8291W (Linux)  Error receiving data through Shared Memory. Reason return code.

Explanation: The server experienced an error return code while receiving data through the Shared Memory protocol. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.

ANR8290W (Solaris)  Error sending data through Shared Memory. Reason return code.

Explanation: The server experienced an error return code while sending data through shared memory. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.
ANR8291W (Solaris)  Error receiving data through Shared Memory. Reason return code.

Explanation: The server experienced an error return code while receiving data through the Shared Memory protocol. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.

ANR8291W (Windows) Unable to bind to IPX/SPX master socket. Return code = return code.

Explanation: The server cannot initiate communications on the socket number designated for its use.

System action: Server operation continues, but communications using the IPX/SPX protocol is inoperative.

User response: Ensure that SPX has been configured to run on this system through the requester configuration program. Ensure that there is no other instance of the server running on the same system that is using the same socket number. This is likely to be the case if the return code is zero. Also ensure that the number of SPX sessions (as specified in your NET.CFG file) has not been exceeded through other applications using the IPX/SPX protocol.

ANR8291W (AIX) Session terminated when no data was read through Shared Memory.

Explanation: The server is unable to read data from Shared Memory. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.

ANR8292W (Linux) Session terminated when no data was read through Shared Memory.

Explanation: The server is unable to read data from Shared Memory. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.

ANR8292W (Solaris) Session terminated when no data was read through Shared Memory.

Explanation: The server is unable to read data from Shared Memory. This may be a normal event if either side of the connection is abruptly ended.

System action: The session is ended. Server operation continues.

User response: If the session is ended as a result of intentionally stopping either the client or server, no response is required.

ANR8292W (Windows) IPX/SPX connection terminated - insufficient memory.

Explanation: The server cannot accept a client session due to a memory allocation request failure.

System action: Server operation continues.

User response: The most likely cause is a lack of memory. Ensure that there is sufficient space for the Windows paging file. Click on the system icon in the Windows NT control panel and then click on the virtual memory button. Refer to the online help for instructions on how to increase the amount of virtual memory. You may also wish to cut down on the maximum number of sessions that the server can accept with the MAXSESSIONS option in the server options file.

ANR8292W (AIX) Shared Memory driver unable to initialize due to socket initialization error.

Explanation: While initializing Shared Memory communications, the server failed to set up an interface with TCP/IP.

System action: Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

User response: Ensure that TCP/IP has been started and is active on your system. You may issue the TCP/IP ping command to your own address to verify that TCP/IP is both started and active.
ANR8293W (HP-UX)  Shared Memory driver unable to initialize due to socket initialization error.

Explanation: While initializing Shared Memory communications, the server failed to set up an interface with TCP/IP.

System action: Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

User response: Ensure that TCP/IP has been started and is active on your system. You may issue the TCP/IP ping command to your own address to verify that TCP/IP is both started and active.

ANR8293W (Linux)  Shared Memory driver unable to initialize due to socket initialization error.

Explanation: While initializing Shared Memory communications, the server failed to set up an interface with TCP/IP.

System action: Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

User response: Ensure that TCP/IP has been started and is active on your system. You may issue the TCP/IP ping command to your own address to verify that TCP/IP is both started and active.

ANR8293W (Solaris)  Shared Memory driver unable to initialize due to socket initialization error.

Explanation: While initializing Shared Memory communications, the server failed to set up an interface with TCP/IP.

System action: Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol.

User response: Ensure that TCP/IP has been started and is active on your system. You may issue the TCP/IP ping command to your own address to verify that TCP/IP is both started and active.

ANR8293W (Windows)  IPX/SPX driver unable to initialize due to error in LISTENing on the master socket, return code = return code.

Explanation: While attempting to listen for session requests from clients using IPX/SPX, the server encountered an error.

System action: Server operation continues, but the server cannot accept additional sessions from clients using the IPX/SPX protocol.

User response: Ensure that IPX/SPX is still running properly and that it has not been intentionally or unintentionally stopped. This may be done by using the getipxad command to determine if an endpoint can still be opened and bound; also determine if you can still connect to a NetWare server.

ANR8294W (AIX)  Shared Memory session unable to initialize.

Explanation: While initializing a Shared Memory communications session, an error occurred during initial setup.

System action: Server operation continues, but the session is terminated.

User response: Contact your service representative for assistance in resolving the error.

ANR8294W (HP-UX)  Shared Memory session unable to initialize.

Explanation: While initializing a Shared Memory communications session, an error occurred during initial setup.

System action: Server operation continues, but the session is terminated.

User response: Contact your service representative for assistance in resolving the error.

ANR8294W (Linux)  Shared Memory session unable to initialize.

Explanation: While initializing a Shared Memory communications session, an error occurred during initial setup.

System action: Server operation continues, but the session is terminated.

User response: Contact your service representative for assistance in resolving the error.

ANR8294W (Solaris)  Shared Memory session unable to initialize.

Explanation: While initializing a Shared Memory communications session, an error occurred during initial setup.

System action: Server operation continues, but the session is terminated.

User response: Contact your service representative for assistance in resolving the error.
<table>
<thead>
<tr>
<th>Message Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANR8294W (Windows)</td>
<td>Unable to establish IPX/SPX connection - accept error. Return code = tli error. <strong>Explanation:</strong> The server cannot accept a client session due to a failure in accepting the connection from IPX/SPX. <strong>System action:</strong> Server operation continues, but this session request fails. <strong>User response:</strong> Ensure that SPX has been configured to run on this system through the requester configuration program. Ensure that there is no other instance of the server running on the same system that is using the same socket number. Also ensure that the number of SPX sessions has not been exceeded through other applications using the IPX/SPX protocol, such as NetWare applications.</td>
</tr>
</tbody>
</table>

| ANR8295W (Linux) | Shared Memory driver unable to initialize due to error in BINDing to Port port, reason code reason code. **Explanation:** While initializing Shared Memory communications, the server failed to connect to a master socket on which to listen for clients. The reason code is the return code from the TCP/IP bind API. **System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol. **User response:** Ensure that no application is using the port number specified in the server options file with the SHMPORT option by issuing the TCP/IP netstat command. If the server was brought down and client sessions were active, it may be necessary to terminate the client sessions on the client systems before the port can be freed. |

| ANR8295W (Solaris) | Shared Memory driver unable to initialize due to error in BINDing to Port port, reason code reason code. **Explanation:** While initializing Shared Memory communications, the server failed to connect to a master socket on which to listen for clients. The reason code is the return code from the TCP/IP bind API. **System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol. **User response:** Ensure that no application is using the port number specified in the server options file with the SHMPORT option by issuing the TCP/IP netstat command. If the server was brought down and client sessions were active, it may be necessary to terminate the client sessions on the client systems before the port can be freed. |

| ANR8295W (AIX) Shared Memory driver unable to initialize due to error in BINDing to Port port, reason code reason code. **Explanation:** While initializing Shared Memory communications, the server failed to connect to a master socket on which to listen for clients. The reason code is the return code from the TCP/IP bind API. **System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol. **User response:** Ensure that no application is using the port number specified in the server options file with the SHMPORT option by issuing the TCP/IP netstat command. If the server was brought down and client sessions were active, it may be necessary to terminate the client sessions on the client systems before the port can be freed. |

| ANR8295W (HP-UX) | Shared Memory driver unable to initialize due to error in BINDing to Port port, reason code reason code. **Explanation:** While initializing Shared Memory communications, the server failed to connect to a master socket on which to listen for clients. The reason code is the return code from the TCP/IP bind API. **System action:** Server operation continues, but the server cannot accept sessions from clients using the Shared Memory protocol. **User response:** Ensure that no application is using the port number specified in the server options file with the SHMPORT option by issuing the TCP/IP netstat command. If the server was brought down and client sessions were active, it may be necessary to terminate the client sessions on the client systems before the port can be freed. |

| ANR8296W (AIX) | Shared Memory driver unable to initialize due to error in LISTENing on the specified Port, reason code reason code. **Explanation:** While attempting to listen for session |
requests from clients using TCP/IP, TCP/IP returns an error. The reason code is the return code from the TCP/IP listen API.

**System action:** Server operation continues, but the server cannot accept additional sessions from clients using the Shared Memory protocol.

**User response:** Ensure that TCP/IP is running properly by issuing the TCP/IP netstat -s and ping commands to other nodes on your network. It may be possible to bring the server down and restart it to allow additional client sessions to start.

---

**ANR8296W (HP-UX)  Shared Memory driver unable to initialize due to error in LISTENing on the specified Port, reason code reason code.**

**Explanation:** While attempting to listen for session requests from clients using TCP/IP, TCP/IP returns an error. The reason code is the return code from the TCP/IP listen API.

**System action:** Server operation continues, but the server cannot accept additional sessions from clients using the Shared Memory protocol.

**User response:** Ensure that TCP/IP is running properly by issuing the TCP/IP netstat -s and ping commands to other nodes on your network. It may be possible to bring the server down and restart it to allow additional client sessions to start.

---

**ANR8296W (Linux)  Shared Memory driver unable to initialize due to error in LISTENing on the specified Port, reason code reason code.**

**Explanation:** While attempting to listen for session requests from clients using TCP/IP, TCP/IP returns an error. The reason code is the return code from the TCP/IP listen API.

**System action:** Server operation continues, but the server cannot accept additional sessions from clients using the Shared Memory protocol.

**User response:** Ensure that TCP/IP is running properly by issuing the TCP/IP netstat -s and ping commands to other nodes on your network. It may be possible to bring the server down and restart it to allow additional client sessions to start.

---

**ANR8297W (Solaris)  Shared Memory driver is terminating due to error in accepting a new session, reason code reason code.**

**Explanation:** While attempting to accept a session request from a client using the Shared Memory protocol, TCP/IP returns an error. The reason code is the return code from the TCP/IP accept API.

**System action:** Server operation continues, but the server cannot accept additional sessions from clients using the Shared Memory protocol.

**User response:** Ensure that TCP/IP is running properly. This may be done by issuing the TCP/IP netstat -s and ping commands to other nodes on your network. It may be possible to bring the server down and restart it to allow additional client sessions to start.

---

**ANR8297W (AIX)  Shared Memory driver is terminating due to error in accepting a new session, reason code reason code.**

**Explanation:** While attempting to accept a session request from a client using the Shared Memory protocol, TCP/IP returns an error. The reason code is the return code from the TCP/IP accept API.

**System action:** Server operation continues, but the server cannot accept additional sessions from clients using the Shared Memory protocol.

**User response:** Ensure that TCP/IP is running properly. This may be done by issuing the TCP/IP netstat -s and ping commands to other nodes on your network. It may be possible to bring the server down and restart it to allow additional client sessions to start.

---

**ANR8297W (HP-UX)  Shared Memory driver is terminating due to error in accepting a new session, reason code reason code.**

**Explanation:** While attempting to accept a session request from a client using the Shared Memory protocol, TCP/IP returns an error. The reason code is the return code from the TCP/IP accept API.

**System action:** Server operation continues, but the server cannot accept additional sessions from clients using the Shared Memory protocol.

**User response:** Ensure that TCP/IP is running properly. This may be done by issuing the TCP/IP netstat -s and ping commands to other nodes on your network. It may be possible to bring the server down and restart it to allow additional client sessions to start.

---

**ANR8297W (Linux)  Shared Memory driver is terminating due to error in accepting a new session, reason code reason code.**

**Explanation:** While attempting to accept a session request from a client using the Shared Memory protocol, TCP/IP returns an error. The reason code is the return code from the TCP/IP accept API.

**System action:** Server operation continues, but the server cannot accept additional sessions from clients using the Shared Memory protocol.

**User response:** Ensure that TCP/IP is running properly. This may be done by issuing the TCP/IP netstat -s and ping commands to other nodes on your network. It may be possible to bring the server down and restart it to allow additional client sessions to start.
network. It may be possible to bring the server down and restart it to allow additional client sessions to start.

**ANR8297W (Solaris) • ANR8299W (HP-UX)**

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**ANR8297W (Solaris) • Shared Memory driver is terminating due to error in accepting a new session, reason code reason code.**

**Explanation:** While attempting to accept a session request from a client using the Shared Memory protocol, TCP/IP returns an error. The reason code is the return code from the TCP/IP accept API.

**System action:** Server operation continues, but the server cannot accept additional sessions from clients using the Shared Memory protocol.

**User response:** Ensure that TCP/IP is running properly. This may be done by issuing the TCP/IP netstat -s and ping commands to other nodes on your network. It may be possible to bring the server down and restart it to allow additional client sessions to start.

---

**ANR8298W (AIX) • The server experienced a TCP/IP error while writing data on socket socket number, Reason return code.**

**Explanation:** An error occurred during negotiation for a shared memory session. This may be a normal event if either side of the connection is abruptly ended.

**System action:** The session is ended. Server operation continues.

**User response:** If the session is ended as a result of intentionally stopping either the client or server, no action is required. Otherwise, ensure that the client and server can communicate using Telnet or FTP applications, which are part of the TCP/IP suite.

---

**ANR8298W (HP-UX) • The server experienced a TCP/IP error while writing data on socket socket number, Reason return code.**

**Explanation:** An error occurred during negotiation for a shared memory session. This may be a normal event if either side of the connection is abruptly ended.

**System action:** The session is ended. Server operation continues.

**User response:** If the session is ended as a result of intentionally stopping either the client or server, no action is required. Otherwise, ensure that the client and server can communicate using Telnet or FTP applications, which are part of the TCP/IP suite.

---

**ANR8299W (AIX) • The server experienced a TCP/IP error while reading data on socket socket number, Reason return code.**

**Explanation:** An error occurred during negotiation for a shared memory session. This may be a normal event if either side of the connection is abruptly ended or if the client is configured incorrectly.

**System action:** The session is ended. Server operation continues.

**User response:** If the session is ended as a result of intentionally stopping either the client or server, no action is required. Otherwise, ensure that the client and server can communicate using Telnet or FTP applications, which are part of the TCP/IP suite.

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**ANR8299W (HP-UX) • The server experienced a TCP/IP error while reading data on socket socket number, Reason return code.**

**Explanation:** An error occurred during negotiation for a shared memory session. This may be a normal event if either side of the connection is abruptly ended or if the client is configured incorrectly.

**System action:** The session is ended. Server operation continues.

**User response:** If the session is ended as a result of intentionally stopping either the client or server, no action is required. Otherwise, ensure that the client and server can communicate using Telnet or FTP applications, which are part of the TCP/IP suite.

---

**ANR8299W (Linux) • The server experienced a TCP/IP error while writing data on socket socket number, Reason return code.**

**Explanation:** An error occurred during negotiation for a shared memory session. This may be a normal event if either side of the connection is abruptly ended.

**System action:** The session is ended. Server operation continues.

**User response:** If the session is ended as a result of...
intentionally stopping either the client or server, no action is required. Otherwise, ensure that the client and server can communicate using Telnet or FTP applications, which are part of the TCP/IP suite.

Check the client options file to ensure that the server's shared memory port is set up and is not being confused with the server's TCP/IP port. The shared memory port is a TCP/IP port that the server uses to initiate communications, then switches to shared memory communications.

**ANR8299W (Linux)** The server experienced a TCP/IP error while reading data on socket socket number. Reason return code.

**Explanation:** An error occurred during negotiation for a shared memory session. This may be a normal event if either side of the connection is abruptly ended or if the client is configured incorrectly.

**System action:** The session is ended. Server operation continues.

**User response:** If the session is ended as a result of intentionally stopping either the client or server, no action is required. Otherwise, ensure that the client and server can communicate using Telnet or FTP applications, which are part of the TCP/IP suite.

Check the client options file to ensure that the server's shared memory port is set up and is not being confused with the server's TCP/IP port. The shared memory port is a TCP/IP port that the server uses to initiate communications, then switches to shared memory communications.

**ANR8299W (Solaris)** The server experienced a TCP/IP error while reading data on socket socket number. Reason return code.

**Explanation:** An error occurred during negotiation for a shared memory session. This may be a normal event if either side of the connection is abruptly ended or if the client is configured incorrectly.

**System action:** The session is ended. Server operation continues.

**User response:** If the session is ended as a result of intentionally stopping either the client or server, no action is required. Otherwise, ensure that the client and server can communicate using Telnet or FTP applications, which are part of the TCP/IP suite.

Check the client options file to ensure that the server's shared memory port is set up and is not being confused with the server's TCP/IP port. The shared memory port is a TCP/IP port that the server uses to initiate communications, then switches to shared memory communications.
ANR8304E  ANR8309E

System action: The operation fails.

User response: Ensure that the DEVICE parameter associated with the drive was identified correctly in the DEFINE PATH command and that the drive is currently powered on and ready.

ANR8304E Time out error on drive drive name in library library name.

Explanation: A time out condition occurred while waiting for the given drive to become ready so that automated library operations could be performed.

System action: The operation fails.

User response: Ensure that the DEVICE parameter associated with the drive was identified correctly in the DEFINE PATH command, and that the device is currently powered on and ready.

ANR8305E Library library name is not ready or not operational.

Explanation: The specified automated library device is either not ready or not in an operational state.

System action: Initialization of the library device fails.

User response: Ensure that the library is powered on and ready for automated operations. Further initialization attempts for the given library will usually be postponed until the next attempt is made to access the library for an automated operation. During server startup, however, initialization may be retried after a short waiting period.

ANR8306f Request number: Insert device type volume volume name mount mode into the slot with element number slot name of library library name within time limit minutes; issue 'REPLY' along with the request ID when ready.

Explanation: A CHECKIN LIBVOLUME or a LABEL LIBVOLUME command is in progress, and the specified volume is needed. The server expects the volume to be inserted into the slot with the specified element number of the given library within the time limit specified in the message. For the slot and element number diagram of your library, refer to the documentation provided with the current ptf level or refer to the Administrator's Guide manual for your release and platform.

System action: The server waits until it detects that the volume has been checked into the library, or the time limit expires.

User response: Obtain the required volume, and insert it into the library by issuing a CHECKIN LIBVOLUME command. Use the SWAP=YES option of the CHECKIN LIBVOLUME command if the library is currently full; this process allows the server to select an appropriate volume to be swapped out in order to make room for the required volume.

ANR8307f Request number: Remove device type volume volume name from slot with element number slot name of library library name; issue 'REPLY' along with the request ID when ready.

Explanation: A CHECKOUT LIBVOLUME command has completed. You can remove the volume from the slot with the specified element number and store it outside the library. For the slot and element number diagram of your library, refer to the documentation provided with the current ptf level or refer to the Administrator's Guide manual for your release and platform.

System action: The server waits until a REPLY command is issued.

User response: Remove the volume from the slot and store it in a safe place. Issue a REPLY command, along with the request ID, to tell the server that the volume has been removed. The volume can be returned to the library with the CHECKIN LIBVOLUME command.

ANR8308I Request number: device type volume volume name is required for use in library library name; CHECKIN LIBVOLUME required within time limit minutes.

Explanation: A mount request has been made for a volume that is defined in a storage pool, but which is currently checked out of the given library.

System action: The server waits until it detects that the volume has been checked into the library, or the time limit expires.

User response: Obtain the required volume, and insert it into the library by issuing a CHECKIN LIBVOLUME command. Use the SWAP=YES option of the CHECKIN LIBVOLUME command if the library is currently full; this process allows the server to select an appropriate volume to be swapped out in order to make room for the required volume.

ANR8309E Mount attempt failed - library library name is not defined.

Explanation: An attempt has been made to mount a volume, but the attempt fails because the specified library is not defined.

System action: The operation fails.

User response: Ensure that the LIBRARY attribute of the device class associated with the mount operation identifies a defined library. If not, correct the value of the LIBRARY attribute, or define the specified library and retry the operation.
ANR8310E An I/O error occurred while accessing library library name.

Explanation: An I/O error occurs while accessing the designated library.

System action: The operation fails.

User response: Ensure that the DEVICE parameter associated with the library is identified correctly in the DEFINE PATH command, and that the library is currently powered on and ready. If the library has an access door, make sure it is closed. After checking and correcting these potential problems, retry the operation.

ANR8311E An I/O error occurred while accessing drive drive name for low-level operation operation, errno = drive errno, rc = return code.

Explanation: An I/O error occurs while performing the operation on the specified drive.

System action: The operation fails.

User response: Ensure that the DEVICE parameter associated with the drive is identified correctly in the DEFINE PATH command, and that the drive is currently powered on and ready. After checking and correcting these potential problems, retry the operation. For more information on I/O error codes, search on I/O error code descriptions for server messages in the Tivoli Storage Manager Information Center.

ANR8312E Volume volume name could not be located in library library name.

Explanation: The designated volume cannot be found at its expected location in the given library.

System action: The operation fails.

User response: Perform an AUDIT LIBRARY operation on the designated library, which forces the server to reevaluate its inventory information for volumes in the library.

ANR8313E Volume volume name is not present in library library name.

Explanation: A mount request is made for the given volume in the specified library, but the volume is not currently checked into the library.

System action: The mount operation fails. If the volume is being mounted for storage pool I/O (as opposed to import/export I/O), its ACCESS attribute is changed to UNAVAILABLE to prevent further mount requests.

User response: Issue a CHECKIN LIBVOLUME command to return the volume into the library, and update the volumes ACCESS attribute to READONLY or READWRITE using the UPDATE VOLUME command. Retry the mount request.

ANR8314E Library library name is full.

Explanation: A library operation fails because all of the library’s storage locations are occupied.

System action: The operation fails.

User response: Issue a CHECKOUT LIBVOLUME command to make room in the library. Retry the library operation.

ANR8315E Command: The device type of drive drive name is not supported in library type libraries.

Explanation: Drives of the type identified in the command are not supported in the given type of library.

System action: The command is not processed.

User response: Determine whether the drive and library combination is supported by the installed level of the server. If so, contact your service representative.

ANR8316E Selecting swap volume to be checked out of library library name.

Explanation: A CHECKIN LIBVOL command was issued for a library that has no empty slots to hold the new cartridge. The SWAP=YES parameter was included in the command.

System action: A CHECKOUT LIBVOLUME command will be automatically be issued, specifying either a scratch volume or, if there are none, a volume with the lowest number of mounts.

User response: Use a supported type of drive. volume from the library and store it in a safe place. Issue a REPLY command to tell the server that the volume has been removed. The volume can be introduced back into the library with the CHECKIN LIBVOLUME command.

ANR8317I The volume in device type drive drive name must be manually ejected.

Explanation: This device type does not automatically eject the volume when it is dismounted and requires that the volume be manually ejected from the drive.

System action: None.

User response: Physically eject the volume from the drive.

ANR8318I Request number: Mount side side of device type volume volume name mount mode in drive drive name of library library name within time limit< minutes.

Explanation: The server requires that the specified
volume be mounted as requested. Since the volume is two-sided, this message specifies which side (A or B) is needed by the server for I/O operations.

**System action:** The server waits for the volume to be mounted.

**User response:** Mount the volume in the specified drive.

---

**ANR8319I**  
*Request number: Insert device type volume volume name mount mode into library library name within time limit minute(s).*

**Explanation:** A CHECKIN LIBVOLUME command is in progress, and the specified volume is needed. The server expects the volume to be inserted into the library with the convenience I/O station mechanism.

**System action:** The server waits until the volume is in the library, or until the time limit expires.

**User response:** Insert the specified volume into the library. If the volume has already been inserted into the library, no user action is necessary.

---

**ANR8320I**  
*Request number: Insert device type volume volume name mount mode into drive drive name of library library name within time limit minute(s); issue 'REPLY' along with the request ID when ready.*

**Explanation:** A CHECKIN LIBVOLUME or a LABEL LIBVOLUME command is in progress, and the specified volume is needed. The server expects the volume to be inserted in the designated drive of the given library within the time limit specified in the message.

**System action:** The server waits until a REPLY command is issued, or until the time limit expires.

**User response:** Insert the volume into the drive, and then issue a REPLY command, along with the request ID, to tell the server that the volume has been inserted.

---

**ANR8321I**  
*Request number: Remove device type volume volume name from drive drive name of library library name; issue 'REPLY' along with the request ID when ready.*

**Explanation:** A CHECKOUT LIBVOLUME command has completed. You can remove the specified volume from the entry/exit port of the given library and store it elsewhere.

**System action:** The server waits until a REPLY command is issued.

**User response:** Remove the volume from the library and store it in a safe place. Issue a REPLY command, along with the request ID, to tell the server that the volume has been removed. The volume can be returned to the library with the CHECKIN LIBVOLUME command.

---

**ANR8322I**  
*Device type volume volume name is expected to be mounted (mount mode).*

**Explanation:** The specified volume is expected to be mounted in the near future so the server can access it for reading or writing.

**System action:** None.

**User response:** If the volume is stored offline, retrieve it so that it is readily accessible when the server requests that it be mounted.

**ANR8323I**  
*Dismounting volume volume name - mount retention period minute mount retention expired.*

**Explanation:** The specified volume is dismounted because the given mount retention period has expired.

**System action:** The volume is dismounted.
ANR8326I Request number: Mount device type volume
volume name mount mode in drive drive name of library library name within time limit minutes.

Explanation: If the volume name includes the names EXP, IMP, DUMP, or DBBK, the request is for a scratch volume.

System action: The server waits for the volume to be mounted.

User response: Mount the volume in the specified drive.

ANR8327E Command: Cannot cancel request request number.

Explanation: The request, whose number is specified by the given command, cannot be canceled. The requested operation must be completed.

System action: The cancel request command is not processed.

User response: Proceed with the requested operation.

ANR8330I Device type volume volume name is mounted mount mode in drive drive name, status: IDLE.

Explanation: In response to a QUERY MOUNT command, the server indicates that the given volume is mounted for I/O operations. The volume is currently idle, meaning no active operations are being performed. If the volume remains in the idle state for the amount of time specified by the device class mount retention period, it will be automatically dismounted.

System action: None.

User response: None.

ANR8333I Number of matches matches found.

Explanation: This is a summary message for the QUERY MOUNT command. It indicates the total number of mount points that have been reported in the command output.

System action: None.

User response: None.
message. This is done to ensure that the correct volume has been mounted by the operator.

**System action:** The server reads the volume label and checks it for validity.

**User response:** None.

---

ANR8336I  Verifying label of device type volume volume name in drive drive name.

**Explanation:** The server verifies the label of a volume that is needed for read or write operations, or both. This is done to ensure that the correct volume has been mounted.

**System action:** The server reads the volume label and checks it for validity.

**User response:** None.

---

ANR8337I  Device type volume volume name mounted in drive drive name.

**Explanation:** The server verifies that the specified mount request has been completed properly. Read or write operations, or both, can be performed on the volume.

**System action:** The label of the volume has been verified.

**User response:** None.

---

ANR8338E  Device type volume volume name cannot be overwritten by EXPORT operation.

**Explanation:** The specified volume already exists or contains data, so that the server cannot allow new export data to be written to it.

**System action:** The server detects that the given volume already contains some data that would be overwritten by the requested export operation.

**User response:** If the specified volume does not contain any valuable data, delete it and retry the export operation.

---

ANR8339E  Device type volume intended volume name in drive drive name was replaced with volume incorrect volume name.

**Explanation:** The server detects that a previously mounted and verified volume (the desired volume) has been replaced with a different volume (the incorrect volume). No further read or write operations, or both, can occur on the given drive, because data corruption may occur.

**System action:** The server dismounts the volume from the drive.

**User response:** Mount the correct volume again if it is in a manual library and retry the operation.

---

ANR8340I  Device type volume volume name mounted.

**Explanation:** The server has mounted the given volume.

**System action:** Read or write operations, or both, will commence for the volume.

**User response:** None.

---

ANR8341I  End-of-volume reached for device type volume volume name.

**Explanation:** The server has detected an end-of-volume condition for the given volume.

**System action:** The volume is marked full. If more data must be stored, the server will access another volume for it.

**User response:** None.

---

ANR8342I  Request request number for volume volume name canceled by administrator name.

**Explanation:** A mount request is canceled by the given administrator.

**System action:** The system cancels the mount request.

**User response:** None.

---

ANR8343I  Request request number for volume volume name canceled (PERMANENT) by administrator name.

**Explanation:** A mount request is successfully canceled with the PERMANENT option.

**System action:** The system cancels the mount request and marks the volume as unavailable.

**User response:** None.

---

ANR8344E  Command: Invalid request number - request number.

**Explanation:** A command has been entered with an incorrect request number.

**System action:** The server does not process the command.

**User response:** Issue the command with the correct request number.

---

ANR8345E  Command: No match found for this request number.

**Explanation:** The request number specified by the command is not in the list of outstanding mount requests.
System action: The server does not process the command.

User response: Issue the command with the correct request number.

ANR8346I  Command: No requests are outstanding.

Explanation: A QUERY REQUEST or CANCEL REQUEST command has been entered although no mount requests are outstanding.

System action: Server operation continues.

User response: None.

ANR8347E  Command: Volume volume not found.

Explanation: A DISMOUNT VOLUME command is issued, but the volume to be dismounted cannot be found.

System action: Server operation continues.

User response: Ensure that the correct volume name is entered.

ANR8348E  Command: Volume volume is not "Idle".

Explanation: A DISMOUNT VOLUME command has been issued, but the volume is still in use and cannot be dismounted.

System action: Server operation continues.

User response: If it is necessary to dismount the volume, cancel the session or process that is using the volume, and reissue the command.

ANR8349E  Command: Device device not found.

Explanation: A DISMOUNT DEVICE command has been issued, but the device to be dismounted cannot be found.

System action: Server operation continues.

User response: Ensure that the correct device has been specified.

ANR8350E  Command: Device device is not "Idle".

Explanation: A DISMOUNT DEVICE command has been issued, but the device is still in use and cannot be dismounted.

System action: Server operation continues.

User response: If it is necessary to dismount the device, cancel the session or process that is using the device, and reissue the command.

ANR8351E  Request number: Mount request for volume volume name has timed out.

Explanation: The mount request has not been satisfied in the requested time.

System action: The server fails the mount request.

User response: Retry the mount request and ensure that the volume is mounted within the time limit for the manual library. For an automated library, retry the mount request and increase the mount wait time for the device class.

ANR8352I  Requests outstanding:

Explanation: This message provides a list of currently outstanding mount requests.

System action: The server lists all outstanding mount requests or the one specified on the QUERY REQUEST command.

User response: None.

ANR8353E  Request number: I/O error reading label of volume in drive drive name.

Explanation: The server detects an error while reading the volume label from the volume in the specified drive.

System action: The volume is ejected, and the server continues to wait for the requested volume to be mounted.

User response: Ensure the following:
- The requested volume is properly inserted in the designated drive.
- The volume has been labeled by using the DSMLABEL utility program before you attempt to use it with the server.
- The DEVICE parameter associated with the drive is identified correctly in the DEFINE PATH command, and the drive is currently powered on and ready.

After checking and correcting these potential problems, retry the operation.

ANR8354E  Request number: Incorrect volume (volume name) mounted in drive drive name.

Explanation: The user has inserted the named volume into the indicated drive, but it is not the one requested by the server.

System action: The volume is ejected, and the server continues to wait for the requested volume to be mounted.

User response: Ensure that the requested volume is inserted properly into the designated drive.
ANR8355E  I/O error reading label for volume
volume name in drive drive name.

Explanation: The server detects an error while reading/verifying the volume label for the volume in the specified drive.

System action: The volume is dismounted by the server.

User response: Ensure the following:

- Check the integrity of the data on the volume by issuing an AUDIT VOLUME command. If this error occurs on a volume that is stored inside a VTL or SCSI library, the library itself may need to be audited by using the AUDIT LIBRARY command.
- The DEVICE parameter associated with the drive is identified correctly in the DEFINE PATH command, and the drive is currently powered on and ready.

After checking and correcting these potential problems, retry the operation.

ANR8356E Incorrect volume mounted volume name was mounted instead of volume expected volume name in library library name.

Explanation: The incorrect volume has been mounted in the designated library. This error can occur if the library inventory has been altered due to manual intervention or movement of volumes, or both.

System action: The volume is dismounted; the expected volume may be marked unavailable if this error occurs during normal volume mount activity.

User response: Use the AUDIT LIBRARY command to force the library to reevaluate its inventory of volumes.

ANR8357I Error reading label of volume from slot-element element address in drive drive name of library library name.

Explanation: While processing a search-mode CHECKIN LIBVOLUME command for the designated library, the server finds a volume whose label cannot be read.

System action: The volume is dismounted and is not checked into the library.

User response: Remove the volume from the library and ensure that it is properly labeled. After doing so, the volume can be checked into the library.

ANR8358E Audit operation is required for library library name.

Explanation: The server encounters a problem managing the given library, and determines that an AUDIT LIBRARY operation should be performed.

System action: The server may continue to access the library, but some volumes may not be accessible until an AUDIT LIBRARY command is issued against the library.

User response: Issue an AUDIT LIBRARY command against the library.

ANR8359E Media fault detected on device type volume volume name in drive drive name of library library name.

Explanation: The server encounters a media fault while accessing the given volume using the specified drive.

System action: The operation that is attempting to access the volume will fail, and the volume will be immediately dismounted from the drive.

User response: In some cases, the server will automatically mark the volume readonly. This will prevent the server from trying to write to the volume. Issue an AUDIT VOLUME command to determine if any data has been lost due to the media failure.

ANR8360I Volume volume name has been deleted from MANUAL library library name.

Explanation: The specified volume has been deleted by the server. It can be returned to a scratch pool by the mount operator if desired.

System action: The volume is removed from the server’s inventory.

User response: None.

ANR8361E Command: Device type not specified.

Explanation: The specified command requires that the DEVTYPE parameter be supplied.

System action: The command is not processed.

User response: Reissue the command, and specify a valid DEVTYPE parameter.

ANR8362E Command: The parameter parameter is invalid for device type device type.

Explanation: The specified parameter is not valid for a device class with the given device type.

System action: The command is not processed.

User response: Reissue the command with a correct parameter.

ANR8363E Command: The parameter parameter is required for device type device type.

Explanation: The specified command requires that the given parameter be supplied when the indicated device type is used.

System action: The command is not processed.
User response: Reissue the command, providing the required parameter value.

ANR8364E Command: Cannot reduce MOUNTLIMIT below number of volumes currently mounted.
Explanation: The MOUNTLIMIT value cannot be reduced below the number of currently mounted volumes.
System action: The command is not processed.
User response: Wait until the server finishes using some of the mounted volumes, or force the server to dismount idle volumes using the DISMOUNT VOLUME command, then retry this command.

ANR8365E Command: The parameter parameter cannot be changed.
Explanation: The specified parameter cannot be changed from the value that was provided with the associated DEFINE command.
System action: The command is not processed.
User response: If it is necessary to use a different value for the given parameter, the associated object must be deleted and then redefined using the new parameter value.

ANR8366E Command: Invalid value for parameter parameter.
Explanation: An invalid value has been provided for the specified parameter.
System action: The command is not processed.
User response: Reissue the command, and specify a valid parameter value. If this is for the ELEMENT parameter on DEFINE DRIVE with AUTODETECT, this message can be issued because the library doesn’t support the ability to determine the element number dynamically. In this case, supply the actual element number instead of using AUTODETECT for the ELEMENT parameter. If this is for the SCALECAPACITY parameter on a 3592 device class, verify that this device class has the attribute WORM=NO as WORM and SCALECAPACITY are not compatible.

ANR8367E Command: Multiple parameter values are not allowed.
Explanation: The designated parameter is specified more than once in the command; this is not allowed.
System action: The command is not processed.
User response: Reissue the command, but specify the given parameter only once.

ANR8368E Request number: Incorrect side (side) of volume volume name mounted in drive drive name.
Explanation: The user inserted the wrong side of the requested volume into the indicated drive.
System action: The volume is ejected, and the server continues to wait for the requested side of the volume to be mounted.
User response: Insert the correct side of the requested volume into the designated drive.

ANR8369E Library library name is not defined.
Explanation: The designated library is not defined, but has been referenced in a mount request.
System action: The mount request is rejected.
User response: Define the given library, or update the LIBRARY parameter of the device class that references it.

ANR8370I Device type volume volume name is mounted mount mode, status: RETRY.
Explanation: In response to a QUERY MOUNT command, the server indicates that the given volume is mounted for I/O operations. The volume is currently in RETRY, meaning an attempt is being made to re-establish communications with another server. If the volume remains in the retry state for the amount of time specified by the device class retry period, the operation will fail and the volume will be automatically dismounted.
System action: None.
User response: None.

ANR8371I I/O is being bypassed for volume volume name.
Explanation: The indicated volume is mounted but the server is bypassing actual I/O operations for the volume. The pool associated with the volume matches the NULLPOOLNAME option in the options file or NULLFILEDEVCLASS YES has been specified in the options file.
System action: None.
User response: None.

ANR8372I Request number: Remove device type volume volume name from drive drive name of library library name.
Explanation: A LABEL LIBVOLUME command has completed. You can remove the specified volume from the designated drive and store it outside the library.
System action: None.
User response: Remove the volume from the drive and store it in a safe place.

ANR8373I Request number: Fill the bulk entry/exit port of library library name with all device type volumes to be processed within time limit minute(s); issue 'REPLY' along with the request ID when ready.

Explanation: A CHECKIN LIBVOLUME or LABEL LIBVOL command with SEARCH=BULK is in progress. Load all volumes to be processed into the multi-slot entry/exit port of the given library within the time limit specified in the message.

System action: The server waits until a REPLY command is issued, or until the time limit expires.

User response: Insert the volumes into the library’s entry/exit port; and issue a REPLY command, along with the request ID, to tell the server that the volumes have been inserted.

ANR8374E Unable to unmount mountpoint mountpoint name.

Explanation: A removable file device class mountpoint had to be unmounted using the operating system unmount function. The server did not have permission to unmount the directory specified.

System action: The server continues, but cannot use the mountpoint for removable file support until the directory is unmounted.

User response: It may be necessary to run the server as a root user to mounted directories to be unmounted.

ANR8375E Device type volume volume name cannot be overwritten by BACKUPSET operation.

Explanation: The specified volume already exists or contains data, so that the server cannot allow new backup set data to be written to it.

System action: The server detects that the given volume already contains some data that would be overwritten by the requested backup set operation.

User response: If the specified volume does not contain any valuable data, delete it and retry the backup set operation.

ANR8376I Mount point reserved in device class Device class name, status: RESERVED.

Explanation: In response to a QUERY MOUNT command, the server indicates that there is a mount point reserved for future I/O operations in the given device class.

System action: None.

User response: None.

ANR8377I Device type volume volume name is mounted mount mode, status: DISMOUNTING.

Explanation: In response to a QUERY MOUNT command, the server indicates that the given volume is currently being dismounted.

System action: None.

User response: None.

ANR8378I Device type volume volume name is mounted mount mode, status: RETRY DISMOUNT FAILURE.

Explanation: In response to a QUERY MOUNT command, the server indicates that it is currently retrying the dismount of the given volume because of a failure during the previous dismount.

System action: None.

User response: None.

ANR8379I Mount point in device class Device class name is waiting for the volume mount to complete, status: WAITING FOR VOLUME.

Explanation: In response to a QUERY MOUNT command, the server indicates that there is a mount point in the given device class waiting for the volume mount to complete.

System action: None.

User response: None.

ANR8380I Device type volume volume name is mounted mount mode in drive drive name, status: RETRY DISMOUNT FAILURE.

Explanation: Because of the failure of a previous dismount, the server is retrying the dismount of the specified volume from the specified drive. In response to a QUERY MOUNT command, the server indicates that the volume is mounted in the drive.

System action: None.

User response: None.

ANR8381E Device type volume volume name could not be mounted in drive drive name.

Explanation: The server could not complete the specified mount request due to an error. Examine previous messages for additional information regarding the specified volume and the operation.

System action: The requested operation fails.
User response: Examine previous messages for additional information regarding the specified volume and the operation.

ANR8382W Library library name is now full.

Explanation: During a library check-in operation from a multi-slot entry/exit station, the last storage location was filled before checking the remainder of the entry/exit slots.

System action: The operation stops, but is considered successful if at least one volume is checked in.

User response: If more volumes remain to be checked in, issue a CHECKOUT LIBVOLUME command to make room in the library. Retry the library operation.

ANR8383E Device class device class name directory directory name is not a SnapLock directory.

Explanation: When processing the named device class, it was discovered that a directory was specified for the device class that is not a NetApp SnapLock WORM Volume. All directories used by a device class for a storage pool with RECLAMATIONTYPE=SNAPLOCK must be SnapLock directories.

System action: If you are trying to define a storage pool with RECLAMATIONTYPE=SNAPLOCK, the command fails. If you are trying to update a device class that is pointed to by a RECLAMATIONTYPE=SNAPLOCK storage pool, the command fails.

User response: If you are trying to define a storage pool with RECLAMATIONTYPE=SNAPLOCK, you need to specify a device class which has all directories which are NetApp SnapLock WORM Volumes. You may select another device class which has all SnapLock directories specified in it. Or you may use the UPDATE DEVCLASS command to remove non-SnapLock directories from the device class DIR list. If you modify an existing device class, you need to ensure that no data is stored in directories that are to be removed from the device class. If this message is issued when you are trying to update a device class, ensure that all directories specified in the directory are SnapLock directories.

ANR8384E Request number: Incorrect volume (volume name) inserted into library library name.

Explanation: The user has inserted the named volume into the indicated library, but it is not the one requested by the server.

System action: The volume is skipped, and the server continues to wait for the requested volume to be inserted.

User response: Ensure that the requested volume is inserted properly into the designated location in the library.

ANR8385E All entry/exit ports of library library name are empty.

Explanation: The entry/exit ports of the library do not contain a volume that can be processed.

System action: The command fails.

User response: Ensure that the volume is inserted properly into the entry/exit port of the library and that the library indicates the volume is inserted and issue the command again. Contact the hardware vendor if the volume is inserted correctly and this error occurs.

ANR8386W Slot element number of library library name is inaccessible.

Explanation: The slot in the library could not be physically accessed at this time.

System action: The slot is skipped and processing continues with the next slot.

User response: If there is a volume in the slot that needs to be processed, verify that the Entry/Exit door is closed, the slot is accessible, and the device has not logged any device errors before trying the command again. Contact the hardware vendor if slots are incorrectly being reported as inaccessible.

ANR8387I Request number: All entry/exit ports of library library name are full or inaccessible. Empty the entry/exit ports, close the entry/exit port door, and make the ports accessible.

Explanation: A CHECKOUT LIBVOLUME command cannot find an empty and available entry/exit port to place the volume to be removed.

System action: The server waits until the operator performs the actions requested.

User response: Make at least one entry/exit port empty and accessible. Check the entry/exit ports or the library. Make sure the entry/exit door is closed. If all the entry/exit ports are full remove at least one volume from the entry/exit port. If any of entry/exit are empty then the empty entry/exit ports are inaccessible. Check the library’s documentation on how to make the entry/exit port accessible. If the library is incorrectly reporting the status of the entry/exit port contact the library vendor.

ANR8388E Device class device class name has no directories specified.

Explanation: When processing the named device class, which is referenced by a storage pool of type RECLAMATIONTYPE=SNAPLOCK, it was discovered
that there were no directories specified for it. One or more directories must be specified for a device class that is used by a storage pool with RECLAMATIONTYPE=SNAPLOCK, and all directories must be NetApp SnapLock WORM Volumes.

**System action:** The operation fails.

**User response:** A device class that is referenced by a storage pool of type RECLAMATIONTYPE=SNAPLOCK needs to specify one or more directories which are NetApp SnapLock WORM Volumes. Use the UPDATE DEVCLASS command to define appropriate directories to the device class and retry your request.

---

**ANR8389E** Device class device class name has storage pools using it with inconsistent RECLAMATIONTYPE parameters, or invalid directories specified in it.

**Explanation:** When processing the named device class, it was discovered that it was not configured properly. A device class can be referenced by storage pools of type RECLAMATIONTYPE=THRESHOLD or RECLAMATIONTYPE=SNAPLOCK. For storage pools of type RECLAMATIONTYPE=SNAPLOCK, all directories specified in the device class must be on NetApp SnapLock WORM Volumes.

**System action:** If the Tivoli Storage Manager server is starting, the server continues; however, attempts made to read from or write to that storage pool will fail until the storage pools referencing the device class and the device class are properly configured.

**User response:** Check the activity log for ANR8502, ANR8383E, and ANR8388E messages. If these messages have been issued, follow the instructions in the User Response section of those messages to resolve the issues.

If the problem is not resolved, use the QUERY DEVCLASS command with the FORMAT=DETAILED option to obtain the specified directories for the device class. Verify that each directory is available to the Tivoli Storage Manager server, e.g., on-line, in read-write mode, configured properly, etc.

If the problem is not resolved, for a device class used by RECLAMATIONTYPE=SNAPLOCK storage pools, check that each directory is a NetApp SnapLock WORM Volume. If not, use the UPDATE DEVCLASS command to update the device class directory structure appropriately.

If the problem is not resolved, use the QUERY STGPOOL command with the FORMAT=DETAILED option to determine which storage pools are pointing to the device class. Verify that storage pools of either type RECLAMATIONTYPE=THRESHOLD or RECLAMATIONTYPE=SNAPLOCK are using the device class. If storage pools of both types are using the device class, modify the storage pool definitions such that only one type of storage pool uses the device class.

If you wish to have storage pools of both reclamation types pointing to the same directory structure, you may create two device classes with the same directory structure, and have storage pools of one reclamation type use one device class while storage pools of the other reclamation type uses the other device class.

If you have made updates to the storage pools and device classes and the problem is not resolved, you may need to restart the Tivoli Storage Manager server.

---

**ANR8390W** Failure connecting to library client

**library client** to manage volume

**volume**.

**Explanation:** The library manager failed to contact the designated library client for a management operation for the specified volume.

**System action:** The library management operation fails.

**User response:** Review the other messages in the activity log relating to this library client and this volume to determine which operations were affected by this failure.

---

**ANR8391E** The external library manager file name can not be found. The library library name is not available.

**Explanation:** The external library manager listed for this library was not found. The path or the file name is not correct.

**System action:** The library management operation fails.

**User response:** Verify the path and the name of the external library mentioned. If it is correct, verify that the file is present on the system and that file permissions allow the server to invoke the file.

---

**ANR8392E** The external library manager file name does not have executable permission. The library library name is not available.

**Explanation:** The external library manager listed for this library was not found. The path or the file name is not correct.

**System action:** The library management operation fails.

**User response:** Verify the path and the name of the external library mentioned. If it is correct, verify that the file is present on the system and that file permissions allow the server to invoke the file.
ANR8393E  Failed to communicate with the external library \textit{library name} through its defined external library manager path.

\textbf{Explanation:} The external library manager executable file did not start or exited immediately.

\textbf{System action:} The library management operation fails.

\textbf{User response:} Verify the path and the file name of this library’s external library manager. If it is correct, verify that the file is present on the system and that the file permissions allow the server to invoke the file. The path and file name can be found by using the \texttt{QUERY PATH} command.

---

ANR8394E  The device class,\textit{device class name},directory parameter is too long.

\textbf{Explanation:} The directory parameter for the define device class command is too long.

\textbf{System action:} The command is not processed.

\textbf{User response:} Reissue the command, specifying a valid \texttt{DIRECTORY} parameter. The directory parameter must be between 0 and 1400 characters.

---

ANR8395E  \textit{Commands}: The parameters specified are only valid for a device class defined with a ZosMedia library.

\textbf{Explanation:} The specified parameter is not valid for a device class unless a ZosMedia library is specified in the Library parameter of the device class.

\textbf{System action:} The command is not processed.

\textbf{User response:} Reissue the command with a correct parameter.

---

ANR8396E  \textit{Commands}: Library \textit{library name} is not capable of discovering the drives that it owns.

\textbf{Explanation:} The PERFORM LIBACTION command failed. Either the library lacks the SCSI capability to determine the serial and element numbers of its own drives, or SAN Discovery failed to translate the serial number to the drive’s special file name.

\textbf{System action:} The command is not processed.

\textbf{User response:} Correct any issues with SAN Discovery and reissue the PERFORM LIBACTION command. If the command cannot be processed, drive and drive path definitions for this library will need to be defined manually, one drive at a time.

---

ANR8397E  Library name \textit{(library name)} is too long to use as the default PREFIX value. An explicit PREFIX value is required.

\textbf{Explanation:} The PREFIX value must be specified with 25 characters or less. If a PREFIX value is not specified, the library name is used by default. However, if the library name is longer than 25 characters, it cannot be used for the PREFIX parameter. Instead, the PREFIX value must be specified explicitly.

\textbf{System action:} The command is not processed.

\textbf{User response:} Reissue the PERFORM LIBACTION command and specify the PREFIX parameter with a value that contains 25 characters or less.

---

ANR8398E  The \texttt{REMOVE=UNTILEEFULL} option is not supported with the MOVE DRMEDIA command for library \textit{library name} with library type \textit{library type}.

\textbf{Explanation:} The MOVE DRMEDIA command does not support the option as \texttt{REMOVE=UNTILEEFULL} for this library type.

\textbf{System action:} The operation will fail.

\textbf{User response:} This option is only supported with the library type SCSI. Remove the \texttt{REMOVE=UNTILEEFULL} option and perform the operation again.

---

ANR8399E  The TSM server receives a status as \texttt{acsls status} from ACSLS server.

\textbf{Explanation:} The ACSLS CSI media server does not receive a response from TSM server.

\textbf{System action:} The operation will fail.

\textbf{User response:} This is a communication problem. Check configurations of the network adapter and its driver and then perform the operation again.

---

ANR8400I  Library \textit{library name} defined.

\textbf{Explanation:} The designated library has been successfully defined.

\textbf{System action:} The library is defined and recorded in the database.

\textbf{User response:} None.

---

ANR8401E  \textit{Commands}: Invalid library name \textit{library name}.

\textbf{Explanation:} The designated library name is invalid; either it contains too many characters, or some of the characters are invalid.

\textbf{System action:} The command is not processed.
ANR8402E  Command: Library library name is already defined.
Explanation: The designated library cannot be defined because it already exists.
System action: The command is not processed.
User response: Reissue the command using a valid library name.

ANR8403E  Command: Operation not allowed for library type libraries.
Explanation: The requested operation is not allowed for libraries of the given type.
System action: The command is not processed.
User response: None.

ANR8404I  Drive Drive name defined in library library name.
Explanation: The designated drive has been successfully defined as a member of the specified library.
System action: The drive is defined and recorded in the database.
User response: None.

ANR8405E  Command: Invalid drive name drive name.
Explanation: The designated drive name is invalid; either it contains too many characters, or some of the characters are invalid.
System action: The command is not processed.
User response: Reissue the command using a different drive name.

ANR8406E  Command: Drive drive name is already defined in library library name.
Explanation: The designated drive cannot be defined because it has already been defined for the specified library.
System action: The command is not processed.
User response: If you want to define an additional drive, reissue the command with a different drive name.

ANR8407E  Command: The MODEL parameter is required for this command.
Explanation: The MODEL parameter has not been provided; it is required.
System action: The command is not processed.
User response: Reissue the command using the MODEL parameter.

ANR8408E  Command: The DEVICE parameter is required for this command.
Explanation: The DEVICE parameter has not been provided; it is required.
System action: The command is not processed.
User response: Reissue the command using the DEVICE parameter.

ANR8409E  Command: Library library name is not defined.
Explanation: The designated library has not been defined.
System action: The command is not processed.
User response: Reissue the command using a different library name, or define the library before retrying the command.

ANR8410I  Library library name deleted.
Explanation: The designated library has been deleted successfully.
System action: The library is deleted.
User response: None.

ANR8411E  Command: One or more drives are still defined in library library name.
Explanation: The command failed because there are drives defined to the designated library. For the DELETE LIBRARY and PERFORM LIBACTION (ACTION=DEFINE) commands, the specified library cannot have drives currently defined within the library.
System action: The command is not processed.
User response: Delete all drives from the library, and reissue the command.

ANR8412I  Drive drive name deleted from library library name.
Explanation: The designated drive has been deleted successfully from the specified library.
System action: The drive is deleted.
User response: None.
ANR8413E  Command: Drive drive name is currently in use.
Explanation: The designated drive cannot be deleted or updated because it is currently in use.
System action: The command is not processed.
User response: Wait until the drive is no longer in use, and reissue the command.

ANR8414E  Command: Drive drive name is not defined in library library name.
Explanation: The designated drive has not been defined in the given library.
System action: The command is not processed.
User response: Reissue the command using a different drive name. If appropriate, define the drive before retrying the command.

ANR8415E  Command: The parameter parameter is required for this command.
Explanation: The specified parameter must be provided when processing the given command.
System action: The command is not processed.
User response: Reissue the command, providing the required parameter value.

ANR8416E  Command: The parameter parameter is invalid for library type library type.
Explanation: The specified parameter is not valid for libraries of the given type. The scratch category must be at least 2 less than the private category for 349x libraries.
System action: The command is not processed.
User response: Reissue the command, using only the proper parameters. If using the scratch category make sure it is at least 2 less than the private category.

ANR8417E  Command: The parameter parameter is invalid for drives in library type libraries.
Explanation: The specified parameter is not allowed when defining or updating drives in a library of the given type.
System action: The command is not processed.
User response: Reissue the command, using only the proper parameters.

ANR8418E  Command: An I/O error occurred while accessing library library name.
Explanation: An I/O error occurs while accessing the designated library.
System action: The operation fails.
User response: Ensure that the DEVICE parameter associated with the library is identified correctly in the DEFINE PATH command, and that the library is currently powered on and ready. If the library has an access door, make sure it is closed. After checking and correcting these potential problems, retry the operation.

ANR8419E  Command: The drive or element conflicts with an existing drive in library library name.
Explanation: Either there are no more physical drives in the library, or the specified ELEMENT parameter conflicts with an existing defined drive in the given library.
System action: The command is not processed.
User response: Specify a valid ELEMENT parameter that is not used by any other drive in the library.

ANR8420E  Command: An I/O error occurred while accessing drive drive name.
Explanation: An I/O error occurs while accessing the specified drive.
System action: The operation fails.
User response: Ensure that the DEVICE parameter associated with the drive is identified correctly in the DEFINE PATH command, and that the drive is currently powered on and ready. After checking and correcting these potential problems, retry the command.

ANR8421E  Command: Unable to start a process for this command.
Explanation: The server cannot start a background process to carry out the designated command.
System action: The operation fails.
User response: Check for and correct memory shortages or other server resource constraints, and reissue the command.

ANR8422I  Command: Operation for library library name started as process process ID.
Explanation: A volume check-in process has been started to handle the insertion of a volume into the given library. The process is assigned the ID specified in the message.
System action: The server starts a background process to perform the operation in response to the CHECKIN
LIBVOLUME command entered by an administrator.

**User response:** To obtain status on the process, issue the QUERY PROCESS command. The process may be canceled with the CANCEL PROCESS command.

---

**ANR8423I** CHECKIN LIBVOLUME process for library library name has been canceled.

**Explanation:** A background server process that has been working to check in one or more volumes for the given library is canceled by the CANCEL PROCESS command.

**System action:** The server process is ended and server operation continues.

**User response:** None.

---

**ANR8424I** Checking in volume volume name in library library name.

**Explanation:** In response to a QUERY PROCESS command, this message displays the status for a CHECKIN LIBVOLUME process on the server. The given volume is being checked in to the designated library.

**System action:** The background process operation continues.

**User response:** None. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.

---

**ANR8425I** Checking in volumes in search mode in library library name.

**Explanation:** In response to a QUERY PROCESS command, this message displays the status for a CHECKIN LIBVOLUME process on the server. Volumes are being checked into the given library automatically using a search for previously-unknown volumes.

**System action:** The background process operation continues.

**User response:** None. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.

---

**ANR8426I** CHECKIN LIBVOLUME for volume volume name in library library name failed.

**Explanation:** The background process for a CHECKIN LIBVOLUME command has failed.

**System action:** The background process ends, but the volume has not been checked into the library.

**User response:** Make sure the library and drive devices associated with this command are powered on and ready, and then reissue the command.

---

**ANR8427I** CHECKIN LIBVOLUME for volume volume name in library library name completed successfully.

**Explanation:** The specified volume was successfully checked in to the library during processing of a CHECKIN LIBVOLUME or LABEL LIBVOLUME command.

**System action:** The volume is made available for mounting in the given library.

**User response:** None.

---

**ANR8428E** Command: The STATUS parameter is required for this command.

**Explanation:** The STATUS parameter must be provided with the given command.

**System action:** The command is not processed.

**User response:** Reissue the command, and provide a valid STATUS parameter value.

---

**ANR8429E** Command: No drives are currently defined in library library name.

**Explanation:** The command cannot be issued until at least one drive has been defined in the given library.

**System action:** The command is not processed.

**User response:** Define a drive in the library, using the DEFINE DRIVE command, as well as a path to the drive, using the DEFINE PATH command. Then retry the failed command.

---

**ANR8430I** Volume volume name has been checked into library library name.

**Explanation:** A search-mode CHECKIN LIBVOLUME process has found the given volume and automatically checked it into the library.

**System action:** The volume is added to the given library’s inventory.

**User response:** None.

---

**ANR8431I** CHECKIN LIBVOLUME process completed for library library name; volume count volume(s) found.

**Explanation:** A search-mode CHECKIN LIBVOLUME process is completed. The specified number of volumes have been successfully added to the library’s inventory.

**System action:** The volumes are made available for use by the server.

**User response:** None.
<table>
<thead>
<tr>
<th>ANR8432E</th>
<th>Command: Volume volume name is already present in library library name.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The specified volume cannot be checked into the given library because it is already present.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The command is not processed.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Provide the name of a volume that is not already present in the given library. Use the QUERY LIBVOLUME command to obtain a full list of volumes that have already been checked into the library.</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>ANR8433E</th>
<th>Command: Volume volume name is not present in library library name.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The specified volume cannot be checked out of the given library because it is not present.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The command is not processed.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Provide the name of a volume that is present in the given library. Use the QUERY LIBVOLUME command to obtain a full list of volumes that reside in the library.</td>
</tr>
</tbody>
</table>

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<tr>
<th>ANR8434I</th>
<th>Command: Operation for volume volume name in library library name started as process process ID.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A volume check-out process has been started to handle the removal of a volume from the given library. The process is assigned the ID specified in the message.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The server starts a background process to perform the operation in response to the CHECKOUT LIBVOLUME command entered by an administrator.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>To obtain status on the process, issue the QUERY PROCESS command. The process may be canceled with the CANCEL PROCESS command.</td>
</tr>
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<thead>
<tr>
<th>ANR8435I</th>
<th>CHECKOUT LIBVOLUME for volume volume name in library library name has been canceled.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A background server process that has been working to check out the volume from the given library is canceled by the CANCEL PROCESS command.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The server process is ended and server operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>ANR8436I</th>
<th>Checking out volume volume name from library library name.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>In response to a QUERY PROCESS command, this message displays the status for a CHECKOUT LIBVOLUME process on the server.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The background process operation continues.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>ANR8437E</th>
<th>CHECKOUT LIBVOLUME for volume volume name in library library name failed.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The background process for a CHECKOUT LIBVOLUME command has failed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The background process ends, but the volume has not been checked out of the library.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Make sure the library and drive devices associated with this command are powered on and ready, then retry the command.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR8438I</th>
<th>CHECKOUT LIBVOLUME for volume volume name in library library name completed successfully.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The background process for a CHECKOUT LIBVOLUME command has completed successfully.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The volume is either deleted from the library’s inventory (if its status is something other than DATA) or marked not present (if its status is DATA).</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR8439I</th>
<th>library type library library name is ready for operations.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The initialization process for the given library has completed successfully, and the library is ready for use.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The library is made ready for use.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANR8440E</th>
<th>Initialization failed for library type library library name; will retry in delay time minute(s).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The initialization process for the given library has failed. It will be retried automatically after the specified amount of time has elapsed.</td>
</tr>
<tr>
<td><strong>System action:</strong></td>
<td>The initialization will be retried later.</td>
</tr>
<tr>
<td><strong>User response:</strong></td>
<td>Ensure that the library device is powered on and ready. If the library has an access door, make sure it is in the closed position.</td>
</tr>
</tbody>
</table>
ANR8441E  Initialization failed for library type library library name.

Explanation: The initialization process for the given library has failed, and will not be retried until the next time the server needs to access the library.

System action: The library is made temporarily unavailable.

User response: Make sure the library is powered on and attached.

ANR8442E  Command: Volume volume name in library library name is currently in use.

Explanation: The command cannot be processed because the specified volume is already being used for another operation.

System action: The command is not processed.

User response: Wait until the conflicting volume activity has completed, and then reissue the command.

If the volume is currently mounted, but idle, you can dismount it with the DISMOUNT VOLUME command and then retry this operation.

ANR8443E  Command: Volume volume name in library library name cannot be assigned a status of SCRATCH.

Explanation: The volume cannot be assigned to the given library's scratch pool because there is a storage pool volume defined or a volume in the volume history file with this volume name. Such a volume may still contain valid data. Assigning the volume to the library's scratch pool might result in a destructive overwrite of the volume's data.

System action: The command is not processed.

User response: Reissue the command, specifying that the volume be assigned a status of PRIVATE.

ANR8444E  Command: Library library name is currently unavailable.

Explanation: The requested operation cannot be completed because the specified library is unavailable for I/O operations. The library may still be carrying out its initialization operations.

System action: The command is not processed.

User response: Wait until the library initialization completes or the library becomes ready.

ANR8445I  Volume volume name in library library name updated.

Explanation: The specified library volume has been updated successfully.

System action: The library volume inventory is updated.

User response: None.

ANR8446W  Manual intervention required for library library name.

Explanation: The specified library requires manual intervention.

System action: Current library activity will be delayed until the required intervention occurs.

User response: If the library has an access door, make sure it is in the closed position. If it has a cartridge carousel, make sure the carousel is installed. The server automatically detects when the appropriate action has been taken; it will then continue its operations.

ANR8447E  No drives are currently available in library library name.

Explanation: The attempted operation cannot be completed on the specified library because there are no available drives. A drive may be unavailable because an application other than the server may have the driver opened. This message may also be issued if a CHECKIN or LABEL command is issued and no drive is available to service the operation. This can be because all the drives are mounted by other processes or sessions, or the device type was incorrectly specified.

System action: The attempted operation is terminated.

User response: Use the QUERY DRIVE command to check the online status of the drives. Drives that are marked "Unavailable since hh:mm yy/mm/dd" are drives taken offline by the server at the time specified because of hardware failures or the inability to open the drive. If the attempted operation is a CHECKIN or LABEL command, use the QUERY MOUNT command to determine if all the drives in the library are mounted and wait until one of these is available. If there are mounted volumes with an IDLE status, use the DISMOUNT VOLUME command to free its drive, and retry the original operation.

ANR8448E  Scratch volume volume name from library library name rejected - volume name is already in use.

Explanation: The designated volume has been used to satisfy a scratch mount, but the volume is already defined in a storage pool, or has been used to store server export, database dump, or database backup information as recorded in the server volume history file.

System action: The volume is rejected.

User response: Use a volume that is not in use, or check out and relabel the rejected volume, assigning it a new name in the process, or delete the existing
volume that caused the name conflict.

**ANR8449E**  Scratch volume volume name rejected - volume name is already in use.

**Explanation:** The designated volume has been used to satisfy a scratch mount, but the volume is already defined in a storage pool, or has been used to store server export, database dump, or database backup information as recorded in the server volume history file.

**System action:** The volume is rejected.

**User response:** Use a volume that is not in use, or rename the rejected volume or delete the existing volume that caused the name conflict.

**ANR8450E**  Command: Library library name is currently in use.

**Explanation:** The designated library cannot be deleted or updated because it is currently in use for an I/O operation.

**System action:** The command is not processed.

**User response:** Wait until the library is no longer in use, and then retry the command.

**ANR8451I**  349X library library name is ready for operations.

**Explanation:** The initialization process for the given library has completed successfully, and the library is ready for use.

**System action:** The library is made ready for use.

**User response:** None.

**ANR8452E**  Initialization failed for 349X library library name; will retry in delay time minute(s).

**Explanation:** The initialization process for the given library has failed. It is retried automatically after the specified amount of time has elapsed.

**System action:** The initialization will be retried later.

**User response:** Ensure that the library device is powered on and ready.

**ANR8453E**  Initialization failed for 349X library library name.

**Explanation:** The initialization process for the given library has failed and will not be retried until the next time the server needs to access the library.

**System action:** The library is made temporarily unavailable.

**User response:** None.

**ANR8454E**  Mismatch detected between external label (volume name from external label) and media label (volume name from media label) in 349X library library name.

**Explanation:** The external label of a volume was found to differ from its media label in the designated library.

**System action:** The volume will not be accessed.

**User response:** Remove the volume from the library and ensure that it is properly labeled.

**ANR8455E**  Volume volume name could not be located during audit of library library name. Volume has been removed from the library inventory.

**Explanation:** While processing an AUDIT LIBRARY command for the given library, the server cannot find the given volume in the library.

**System action:** The volume is removed from the library inventory.

**User response:** If the volume is needed, it should be located and checked into the library using the CHECKIN LIBVOLUME command.

**ANR8456E**  Multiple volumes named volume name were found during audit of library library name.

**Explanation:** While processing an AUDIT LIBRARY command for the given library, multiple physical volumes are found to have the same name.

**System action:** The first instance of the volume is retained in the server inventory; all other instances are ignored.

**User response:** Remove all of the redundant instances of the volume from the library. If the volume which the server retained is found to be the incorrect one, it can be checked out with the CHECKOUT LIBVOLUME command; then the correct instance can be checked into the library with a CHECKIN LIBVOLUME command.

**ANR8457I**  Command: Operation for library library name started as process process ID.

**Explanation:** A library audit process has been started for the given library. The process is assigned the ID specified in the message.

**System action:** The server starts a background process to perform the operation in response to the AUDIT LIBRARY command entered by an administrator.

**User response:** To obtain status on the process, issue the QUERY PROCESS command. The process may be canceled with the CANCEL PROCESS command.
ANR8458I  AUDIT LIBRARY process for library library name has been canceled.

Explanation: A background server process that has been working to audit the given library is canceled by the CANCEL PROCESS command.

System action: The server process is ended and server operation continues.

User response: None.

ANR8459I  Auditing volume inventory for library library name.

Explanation: In response to a QUERY PROCESS command, this message displays the status for an AUDIT LIBRARY process on the server.

System action: Server operation continues.

User response: None. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.

ANR8460E  AUDIT LIBRARY process for library library name failed.

Explanation: The background process for an AUDIT LIBRARY command has failed.

System action: The background process ends.

User response: Make sure the library and drive devices associated with this command are powered on and ready, then reissue the command.

ANR8461I  AUDIT LIBRARY process for library library name completed successfully.

Explanation: The background process for an AUDIT LIBRARY command has completed successfully.

System action: The library inventory is updated to match the contents of the library as found during the audit operation.

User response: None.

ANR8462I  End-of-side reached for device type volume volume name.

Explanation: The server has detected an end-of-side condition for the given two sided volume.

System action: The server will access the second side of the volume.

User response: None.

ANR8463E  Device type volume volume name is write protected.

Explanation: The server has detected a write-protect condition for the given volume.

System action: The server will dismount the volume and continue processing with another volume.

User response: Adjust the write-protect switch on the volume so that writing is allowed. If the write-protect switch on the volume allows writing, verify that the device special file for the drive has proper read and write permissions, at the operating system layer, for the user who is starting the dsmserv process. If the volume is an optical volume and the write-protect switch is already set to allow writing, use the MOVE DATA command to move the data off of the volume. Rewritable volumes may be reformatted and reused after the data is moved to another volume.

ANR8464E  command: Invalid update request for library library name.

Explanation: An invalid update request has been made for the given library. This can occur if a new device name is given and the characteristics of the device do not match the characteristics of the original device.

System action: The server does not process the command.

User response: If a different type of library device has been installed, the old library definition must be deleted with a DELETE LIBRARY command, and a new library must be defined. The UPDATE LIBRARY command cannot be used in this case.

ANR8465I  Library library name updated.

Explanation: An UPDATE LIBRARY request has been successfully processed for the given library.

System action: The server updates its information about the library.

User response: None.

ANR8466E  command: Invalid update request for drive drive name in library library name.

Explanation: An invalid update request has been made for the given drive. This can occur if a new device name is given and the characteristics of the device do not match the characteristics of the original device.

System action: The server does not process the command.

User response: If a different type of drive has been installed, the old drive definition must be deleted with a DELETE DRIVE operation, and a new drive must be
The UPDATE DRIVE command cannot be used in this case.

ANR8467I Drive drive name in library library name updated.

Explanation: An UPDATE DRIVE request has been successfully processed for the given drive.

System action: The server updates its information about the drive.

User response: None.

ANR8468I device type volume volume name dismounted from drive drive name in library library name.

Explanation: The specified volume has been dismounted from the given drive.

System action: None.

User response: If the type of the given library is MANUAL, the operator may elect to remove the volume (which has already been ejected) from the drive and store it in an appropriate location. For automated libraries, this message is purely informational.

ANR8469E Dismount of device type volume volume name from drive drive name in library library name failed.

Explanation: An attempt to dismount the designated volume failed due to an I/O error.

System action: None.

User response: If the type of the given library is MANUAL, the volume can be manually ejected and removed from the drive. For automated libraries, manual intervention may be required to correct the problem.

ANR8470W Initialization failure on drive drive name in library library name.

Explanation: The specified drive could not be initialized at this time.

System action: The initialization of the specified library continues.

User response: An internal validation of the specified drive and its path failed. Ensure that the drive's path definition to the local server is correct. Examine all previous messages for information regarding the specified drive. If necessary, delete and redefine the path from the local server to the specified drive. After redefining the path or correcting any issues that were reported by related error messages, the drive's initialization is retried on the next attempt to mount the specified drive.

ANR8471E Server no longer polling drive drive name in library library name - path path will be marked off-line.

Explanation: The server is unable to use the mentioned drive via the specified path. This may be for the following reasons:

- The drive cannot be opened
- In the case of a 3494 or a library that can be partitioned, the drive may be unavailable to the library manager, may be in use by another application, or may be loaded with a cartridge not labeled for server use.

System action: The path to the drive is offline and is not used for tape operations.

User response: Determine the reason the path to the drive is inaccessible, such as hardware errors reported in the system logs. Render any needed corrections to the hardware. Then the path may be made online by issuing the UPDATE PATH command with the ONLINE=YES option.

ANR8472I Error reading label of volume in drive drive name of library library name.

Explanation: While processing a search-mode CHECKIN LIBVOLUME command for the designated library, the server finds a volume whose label cannot be read.

System action: The volume is dismounted and is not checked into the library.

User response: Remove the volume from the library and ensure that it is properly labeled. After doing so, the volume can be checked into the library.

ANR8473I Volume volume name was found in storage element slot element address in library library name. It may still be in the drive.

Explanation: The specified volume was found in the storage slot of a cleaner cartridge. After it was loaded into a drive for cleaning, TSM determined that it is not a cleaner cartridge. TSM encountered an error trying to move the cartridge back to the storage slot of the cleaner cartridge. If the volume is a storage pool volume, TSM already attempted to make it unavailable. Review the output of the QUERY VOLUME F=D command for storage pool volumes. Review the output of the QUERY VOLHISTORY command for non-storage pool volumes.

System action: None.

User response: Verify all other cleaner cartridges are in the correct storage slots. Issue the QUERY LIBVOLUME command to obtain the storage slots of all the cartridges currently checked into TSM. Remove the cartridge in the storage slot identified in the
ANR8911W message. Remove the specified volume from the drive. Issue an AUDIT LIBRARY command against the library.

ANR8474E Command: One or more paths are still defined to library library name.
Explanation: The designated library cannot be deleted because there are still paths defined to it.
System action: The command is not processed.
User response: Delete all paths to this library, and reissue the command.

ANR8475I Dismount of volume volume name failed. It may still be in the drive.
Explanation: The specified volume could not be dismounted. TSM encountered an error trying to dismount the volume. If the volume is a storage pool volume, TSM already attempted to make it unavailable. Review the output of the QUERY VOLUME F=D command for storage pool volumes. Review the output of the QUERY VOLHISTORY command for non-storage pool volumes.
System action: None.
User response: Review message ANR8469E in the activity log. Check if the volume is still loaded in the drive. If the volume is not in the drive, determine where the volume is located in the library.

ANR8476E Operation is not supported for the libtype of library library name.
Explanation: The operation failed because the libtype of the library is not supported for the operation.
System action: The operation fails.
User response: Use a different libtype such as MANUAL to perform the operation.

ANR8477E Device type device type is incorrect for drive drive name.
Explanation: The device type of the specified drive on the library client is not compatible with the device type for the same drive on the library manager.
System action: The operation fails.
User response: Delete the drive definition on the library client, and re-define the drive specifying the correct device. If this does not correct the problem, contact your service representative for assistance.

ANR8478W Invalid home slot address in inventory for library library name; volume = volume name; slot = slot number.
Explanation: The specified volume's home slot in the library inventory does not match the database inventory.
System action: The operation fails.
User response: Run 'audit library' against the specified library.

ANR8479W Unable to audit slot-element slot-element of library library name.
Explanation: The library audit process was unable to audit storage slot with the specified element address. This is probably due to no drive device being available into which to load the cartridge. It can also be due to library or drive I/O errors occurring during the audit process.
System action: The AUDIT LIBRARY command fails.
User response: Verify that for every type of cartridge in the library at least one drive is defined that can read the media, and that the drive is online and working properly. Check the activity log for I/O errors related to hardware failure and repair.

ANR8480E The drive Drive Name was not found for library Library Name.
Explanation: The missing drive needs to be defined to successfully run the current operation.
System action: The operation fails.
User response: Make sure that the drive is defined. If macros are being used, the COMMIT command needs to be issued after the DEFINE DRIVE. Otherwise, this could indicate a server internal error.

ANR8481I The library library name already has an AUDIT LIBRARY operation pending mount activity.
Explanation: Libraries of type SHARED can only have one AUDIT LIBRARY operation waiting on mount activity. All subsequent AUDIT LIBRARY operations will be canceled.
System action: The server process is ended and server operation continues.
User response: None.

ANR8482E The checkout volume volume name failed because the entry/exit port of library library name is full. Please remove the volume(s) from the entry/exit port and re-issue the command.
Explanation: The indicated operation has failed because the entry/exit port of the specified library is full.

System action: The command fails.

User response: Remove the volume(s) from the entry/exit port and re-issue the command to process any remaining eligible volumes.

ANR8483W  A device class can not be found for the library library name.

Explanation: A library client audits a SHARED type Library, but there is no device class defined for that library.

System action: The AUDIT LIBRARY command fails.

User response: Define or update a device class for the library using the DEFINE DEVCLASS or UPDATE DEVCLASS command.

ANR8484E No drives are available to be mounted in MODE mode with format FORMAT in library LIBRARY NAME.

Explanation: The attempted operation cannot be completed on the specified library. Either there are no available drives with the specified format, or the volume has the wrong access mode. A drive can be unavailable because another application opened the drive. This message can also be issued if a CHECKIN or LABEL command is issued and no drive is available to service the operation. This can occur when all drives are mounted by other processes or sessions, or the device type was incorrectly specified.

System action: The attempted operation ends.

User response: Use the QUERY DRIVE command to check the online status of the drives. Drives that are marked "Unavailable since hh:mm yy/mm/dd" are drives taken offline by the server at the time specified because of hardware failures or the inability to open the drive. Use the QUERY MOUNT command to query mounted drives and their mount mode. If there are mounted volumes with an IDLE status, use the DISMOUNT VOLUME command to free the drive, and retry the original operation.

ANR8485E Unable to open a SCSI device drive name, error code=error value set by server.

Explanation: The indicated SCSI device cannot be opened by the server. The error code is set by Tivoli Storage Manager. It indicates that this device does not respond the open system function call. This can be caused by an inexistent device, a device with powered off, or a device with firmware/hardware problems.

System action: The transaction needing the drive fails.

User response: Make sure the device is online and connected to the host system. If the device is not removed or is powered off, do a power cycle to reinitialize this device and make sure this device is in a normal state. If this device is still not in a normal state, call device’s vendor support to fix the problem.

ANR8486I Mount point in device class Device class name is reserved -- owning server: owner name, status: RESERVED (session: session ID, process: process number).

Explanation: In response to a QUERY MOUNT command, the server indicates that there is a mount point reserved for future I/O operations in the given device class. The session and process values are relative to the server that owns this mount point.

System action: None.

User response: None.

ANR8487I Mount point in device class Device class name is waiting for the volume mount to complete -- owning server: owner name, status: WAITING FOR VOLUME (session: session ID, process: process number).

Explanation: In response to a QUERY MOUNT command, the server indicates that there is a mount point in the given device class waiting for the volume mount to complete. The session and process values are relative to the server that owns this mount point.

System action: None.

User response: None.

ANR8488I Device type volume volume name is mounted mount mode in drive drive name -- owning server: owner name, status: IN USE (session: session ID, process: process number).

Explanation: In response to a QUERY MOUNT command, the server indicates that the given volume is mounted in the specified drive. The volume is currently in use, meaning that read or write operations, or both, are being performed. The session and process values are relative to the server that owns this mount point.

System action: None.

User response: None.

ANR8489I Device type volume volume name is mounted mount mode in drive drive name -- owning server: owner name, status: IDLE (session: session ID, process: process number).

Explanation: In response to a QUERY MOUNT command, the server indicates that the given volume is
mounted in the specified drive. The volume is currently idle, meaning no active operations are being performed. If the volume remains in the idle state for the amount of time specified by the device class mount retention period, it will be automatically dismounted. The session and process values are relative to the server that owns this mount point.

System action: None.

User response: None.

ANR8490I Device type volume volume name is mounted mount mode in drive drive name -- owning server: owner name, status: DISMOUNTING (session: session ID, process: process number).

Explanation: In response to a QUERY MOUNT command, the server indicates that the given volume is mounted in the specified drive. The volume is currently being dismounted by the server. The session and process values are relative to the server that owns this mount point.

System action: None.

User response: None.

ANR8491I Device type volume volume name is mounted mount mode in drive drive name -- owning server: owner name, status: RETRY DISMOUNT FAILURE (session: session ID, process: process number).

Explanation: In response to a QUERY MOUNT command, the server indicates that it is currently retrying the dismount of the given volume because of a failure during the previous dismount from the specified drive. The session and process values are relative to the server that owns this mount point.

System action: None.

User response: None.

ANR8492I Device type volume volume name is mounted mount mode in drive drive name -- owning server: owner name, status: RETRY (session: session ID, process: process number).

Explanation: In response to a QUERY MOUNT command, the server indicates that the given volume is mounted for I/O operations. The volume is currently in RETRY, meaning an attempt is being made to re-establish communications with another server. If the volume remains in the retry state for the amount of time specified by the device class retry period, the operation will fail and the volume will be automatically dismounted. The session and process values are relative to the server that owns this mount point.

System action: None.

User response: None.

ANR8493I device type volume volume name mounted in drive drive name in library library name.

Explanation: The specified volume has been mounted in the specified drive.

System action: None.

User response: None.

ANR8494E Command: An option specified is not valid for library type libraries.

Explanation: A requested option is not valid for libraries of the given type for the specified command.

System action: The command is not processed.

User response: None.

ANR8495E Device class device class not defined in device configuration information file.

Explanation: The command that has been issued requires that the specified device class be defined in the device configuration information file. This definition was not found or the statements in the file are in the wrong order.

System action: The command is not processed.

User response: Reissue the command, and specify a valid device class. Refresh your device configuration information file by issuing the BACKUP DEVCONFIG command.

ANR8496E Library library not defined in device configuration information file.

Explanation: The specified command requires that the specified library be defined in the device configuration information file. This definition was not found or the
statements in the file are in the wrong order.

**System action:** The command is not processed.

**User response:** Refresh your device configuration information file by issuing the BACKUP DEVCONFIG command. Make sure a library is defined for the device class. Reissue the command.

---

**ANR8498E** Drive not defined for library *library* in device configuration information file.

**Explanation:** The specified command requires that the specified drive be defined in the device configuration information file for the specified library. This definition was not found or the statements in the file are in the wrong order.

**System action:** The command is not processed.

**User response:** Refresh your device configuration information file by issuing the BACKUP DEVCONFIG command. Make sure a drive is defined for the library associated with the device class. Reissue the command.

---

**ANR8499I** Command accepted.

**Explanation:** The command is accepted and processed by the server.

**System action:** The server processes the command.

**User response:** None.

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**ANR8500E** No valid path is defined for library *library name* or any of its drives in device configuration information file.

**Explanation:** The specified command requires that a path be defined in the device configuration information file for the specified library and its drive. This valid definition was not found, or the statements in the file are in the wrong order.

**System action:** The command is not processed.

**User response:** Refresh your device configuration information file by issuing the BACKUP DEVCONFIG command. Make sure a path is defined for the library and its drive associated with the device class. Verify the correct source is used in these path definitions. If the default server name is not used as the source, a SET SERVERNAME command is required in the device configuration information file. Reissue the command.

---

**ANR8501E** System return code *return code* received opening volume *server volume name* with file name *file name*.

**Explanation:** The server or storage agent attempted to access the file name indicated but failed to open the volume. The indicated system return code was received. The actual volume name corresponds to the file name that the server uses. The server volume name and the file name may be the same when the server experiences a failure in opening the file.

**System action:** The volume is not opened.

**User response:** The server or storage agent can recover from some failures by requesting access to different volumes. If there is a directory definition problem, this message may be displayed multiple times during retries with different volumes. The directory names associated with the device class definition in the server should be checked for correctness in the number and names of directory entries. PATH definitions for each of the FILE drives should be checked that the number of directories in the PATH definition match the number in the server’s device class definition and that directories exist and are accessible to servers and storage agents accessing server directories via their own path names. For example, if the server has the following definition:

```
DEFINE DEVCLASS FILE DEVTYPE=FILE
  DIR=K:\FILECLASS\DIR1,L:\FILECLASS\DIR2
```

and a storage agent has the following PATH definition:

```
DEFINE PATH STA FILE1 SRCTYPE=SERVER
  DESTTYPE=DRIVE LIBRARY=FILE DEVICE=FILE
  DIR=X:\DIR1,X:\DIR2
```

then system STA must have drive X set to access directory L:\FILECLASS on the server so that directories DIR1 and DIR2 correspond to the correct destinations on the storage agent and that the number of directories match between the PATH and the DEVCLASS definitions.

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**ANR8502E** Errno *errno* received checking WORM directory *directory name* on Filer.

**Explanation:** The server attempted to access the named directory on the NetApp SnapLock Filer, but the attempt failed with the indicated error code.

**System action:** If you were trying to define a storage pool or update a device class associated with a storage pool, the command fails. If this error is encountered during server initialization, server initialization continues, but operations involving this storage pool will not be allowed until the issue is resolved.

**User response:** This may be caused by an error in the NetApp Filer or with the communications between your server and the NetApp Filer. Verify that the network is operational, that the SnapLock Filer is accessible from your server, and consult NetApp SnapLock Filer documentation to resolve the issue; then, retry the command.

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**ANR8503E** A failure occurred in writing to volume *server volume name*.

**Explanation:** The server or storage agent was writing to the indicated volume name when a failure occurred.

**System action:** The server or storage agent stops writing to the specified volume.
ANR8504E  ANR8505I

User response: The server or storage agent can recover from some failures by requesting access to different volumes. If there is a directory definition problem, this message may be displayed multiple times during retries with different volumes. The directory names associated with the device class definition in the server should be checked for correctness in the number and names of directory entries.

The permissions associated with newly created files should be checked to ensure the server and storage agent can write to newly created files. Depending on the system, a mask value may need to be adjusted. The system error or event log should be checked for indications of hardware or software errors from file systems.

For a remotely mounted file system, ensure that the remote file system is mounted and useable to the storage agent. The file system should be checked to ensure that sufficient space is available. While the server checks space, multiple device classes or servers using the same file system can cause the server’s space checking to underestimate available space.

For storage agents, PATH definitions for each of the FILE drives should be checked to ensure that the number of directories in the PATH definition matches the number in the server’s device class definition and that directories exist and are accessible to servers and storage agents accessing server directories via their own path names. For example, if the server has the following definition:

```
DEFINE DEVCLASS FILE DEVTYPE=FILE
DIR=K:\FILECLASS\DIR1,L:\FILECLASS\DIR2
```

and a storage agent has the following PATH definition:

```
DEFINE PATH STA FILE1 SRCYPE=SERVER
DESTTYPE=DRIVE LIBRARY=FILE DEVICE=FILE
DIR=X:\DIR1,X:\DIR2
```

then system STA must have drive X set to access directory L:\FILECLASS on the server so that directories DIR1 and DIR2 correspond to the correct destinations on the storage agent and that the number of directories match between the PATH and the DEVCLASS definitions.

ANR8505I  Verifying path definitions for library

library name between storage agent
storage agent and library manager primary
library manager. Processing library count
out of total library count libraries.

Explanation: The specified library path definition is being verified for storage agent initialization.

System action: The server processes the verification for the specified library.

User response: If the server does not finish verification for all the counted shared libraries, verify connectivity and configuration of the primary library manager paths. Check the library manager of the last storage agent displayed in the library path verification message.
your encryption storage pool.

move the data from this volume to a new volume in the volume. Then, use the MOVE DATA command to prevent Tivoli Storage Manager from appending data to moving the data, mark this volume READONLY to new volume and make the data more secure. Before new volume will create a unique encryption key for the User response:

System action: The operation completes.

User response: If this is a FILE library, use a device class that does not use a FILE library. A FILE device class does not need a library, and thus, can be updated with LIBRARY="" and SHARED=NO. Update your device configuration file appropriately for the stand-alone operation, and then if needed, return the device class to its original state using a FILE library or with SHARED=YES when the server is running.

ANR8507W Volume volume name is using an encryption key that is not unique and therefore is not secure.

Explanation: Each volume should have a unique encryption key. This volume inappropriately shares an encryption key with other volumes.

System action: The operation completes.

User response: Moving the data from this volume to new volume will create a unique encryption key for the new volume and make the data more secure. Before moving the data, mark this volume READONLY to prevent Tivoli Storage Manager from appending data to the volume. Then, use the MOVE DATA command to move the data from this volume to a new volume in your encryption storage pool.

ANR8508E Device type volume volume name cannot be written by DB2's archive log operation.

Explanation: The specified volume already exists or contains data, so that the server cannot allow new archive log data to be written to it. Or there is no space available on the destination filesystem to write this backup to.

System action: The server detects that the given volume already contains some data that would be overwritten by the DB's archive log operation, or that there is not enough space available.

User response: If the specified volume does not contain any valuable data, delete it.

ANR8509E No compatible drives are available for device class devclass name.

Explanation: The attempted operation cannot be completed for the specified device class because there are no available drives. This message can indicate an invalid FORMAT or DEVTYPE value for the specified device class. The message can also indicate that the FORMAT and DEVTYPE values are valid, but no compatible drives are online.

System action: The attempted operation fails.

User response: Use the QUERY DEVCLASS command to check the device class’s FORMAT and DEVTYPE values. Compare these values with the equivalent values for QUERY DRIVE F=D. There must be at least one online drive with DEVTYPE and FORMAT values that are compatible with the device class attempting this operation. If there are no compatible drives, correct this configuration and retry the operation.

ANR8510E No valid path is defined for the ZOSMEDIA library library name.

Explanation: The storage operation requires that a path be defined to the ZOSMEDIA library. Without a PATH defined to the library, the mount request cannot resolve the z/OS Media server name.

System action: The mount request is not processed.

User response: Define a library path and specify the z/OS Media server with the ZOSMEDIASERVER parameter. For instance: consider a ZOSMEDIA library named ZLIB1 and a TSM server name of SERVER1. The z/OS Media server that is accessible using IP address of 9.8.7.6 and is listening on port 1492 and is named is ZMEDSRV1. The following commands properly configure server SERVER1 for accessing ZLIB1.

```
DEFINE LIBRARY ZLIB1 LIBTYPE=ZOSMEDIA
DEFINE SERVER ZMEDSRV1 SERVERPASS=SECRET HLA=9.8.7.6 LLA=1492 DEFINE PATH SERVER1 ZLIB1 SRCTYPE=SERVER DESTTYPE=LIBRARY ZOSMEDIASERVER=ZMEDSRV1
```

ANR8511E Unable to resolve ZOSMEDIASERVER mediaservername from the library path.

Explanation: The storage operation requires that a server definition exist that matches the ZOSMEDIASERVER name of the library path. Without a SERVER defined, the storage operation cannot be completed because the request is unable to determine the z/OS Media servers HLA and LLA.

System action: The mount request is not processed.

User response: Determine the High Level Address (HLA) and Low Level Address (LLA) of the z/OS Media server and use DEFINE SERVER command to build a server definition that represents the z/OS Media server. The servername that is used to define the z/OS Media server must match the ZOSMEDIASERVER name of the library PATH. For instance: consider a ZOSMEDIA library named ZLIB1 and a TSM server name of SERVER1. The z/OS Media server that is accessible using IP address of 9.8.7.6 and is listening on port 1492 and is named is ZMEDSRV1. The following commands properly configure server SERVER1 for accessing ZLIB1.

```
DEFINE LIBRARY ZLIB1 LIBTYPE=ZOSMEDIA
DEFINE SERVER ZMEDSRV1 SERVERPASS=SECRET HLA=9.8.7.6 LLA=1492 DEFINE PATH SERVER1 ZLIB1 SRCTYPE=SERVER DESTTYPE=LIBRARY ZOSMEDIASERVER=ZMEDSRV1
```
**ANR8512E** Cannot specify RETENTION with EXPIRATION during DEFINE or UPDATE DEVCLASS.

**Explanation:** The DEFINE DEVCLASS cannot specify both RETENTION and EXPIRATION, they are conflict parameters.

**System action:** The command request is not processed.

**User response:** If a device class has an existing EXPIRATION value, the devclass cannot update if RETENTION is specified. If a device class has existing RETENTION value, the device class cannot update if EXPIRATION is specified. The two parameters (RETENTION and EXPIRATION) are mutually exclusive.

**ANR8513E** z/OS Media Server (server name) password is too long to use for authentication with TSM for z/OS Media. The password cannot exceed 16 characters.

**Explanation:** The SERVERPASSWORD must be specified with 16 characters or less. The password must match the passphrase option on the target z/OS Media server.

**System action:** The operation is not processed.

**User response:** Issue the UPDATE SERVER command and specify a SERVERPASSWORD that does not exceed 16 characters and ensure it contains characters that match the passphrase option on the z/OS Media server.

**ANR8514W** TSM for z/OS Media server (server name) could not extend the FILE volume volume name.

**Explanation:** The z/OS Media server made an attempt to EXTEND the VSAM LDS FILE volume using the SECONDARYALLOCATION value from the FILE device class and failed.

**System action:** The WRITE operation fails and the FILE volume is marked “read-only”.

**User response:** Allow TSM for z/OS Media server to create EA-enabled VSAM linear data set volumes. 1. Use SMS to manage the VSAM Linear data sets that are associated with the prefix attribute of the FILE device class. 2. Associate the data sets with a data class (an SMS construct) that specifies the extended format and extended addressability options. To make this association between data sets and the data class, use an automatic class selection (ACS) routine to assign the TSM for z/OS Media VSAM linear data sets to the relevant SMS data class. The ACS routine does the assignment based on the data set name.

**ANR8515W** The deletion of volume belonging to z/OS Media library is imminent, however the z/OS Media server is unreachable resulting in the TSM Server volume inventory reflecting the deleted volume.

**Explanation:** The z/OS Media server cannot be reached during a volume deletion request. The TSM server continues the operation even though the z/OS Media server cannot be reached.

**System action:** The volume is not deleted on the z/OS Media server.

**User response:** Determine why the z/OS Media server cannot be contacted. Examine the TSM activity log for message ANR8513W and carefully consider removing the associated dataset on the z/OS system.

**ANR8516W** The z/OS Media server is unreachable at HLA and LLA.

**Explanation:** The z/OS Media server cannot be reached during a ZSMEDIA library request. The TSM server may continue the operation even though the z/OS Media server cannot be reached.

**System action:** The operation likely fails.

**User response:** Determine why the z/OS Media server cannot be contacted.

**ANR8517E** The z/OS Media server is reachable at HLA and LLA however fails to connect because of an authentication failure.

**Explanation:** The z/OS Media server could be reached during a ZSMEDIA library request. However, authentication could not be completed. The TSM server will not continue the operation because the z/OS Media server connection can be authenticated.

**System action:** The operation fails.

**User response:** Determine why the z/OS Media server connection cannot be authenticated. Check to ensure the PASSPHRASE option on the TSM z/OS Media server matches the serverpassword of the media server definition on the TSM Server. The password cannot exceed 16 characters.

**ANR8518E** command: Invalid update request for drive drive name in library library name.

**Explanation:** An invalid request has been made for the specified drive. This drive is part of a virtual tape library (VTL). The requested operation does not apply for drives in a VTL.

**System action:** The server does not process the command.
Do not attempt to change cleaning settings for virtual drives. If this library is not a VTL, use the UPDATE LIBRARY command to change the library type to SCSI and retry the operation.

**ANR8519E** The z/OS Media server is unable to open volume using dataset name.

**Explanation:** The z/OS Media server cannot OPEN a volume during a ZOSMEDIA library request and the TSM server fails the operation.

**System action:** The operation likely fails.

**User response:** Determine why the z/OS Media server cannot OPEN the volume. Examine the z/OS Media server joblog, and the z/OS SYSLOG for error conditions associated with the volume or dataset name.

**ANR8520E** Command: StorageTek Automated Cartridge System Library Software (ACSLS) API module is not available from the system for ACSLS libraries.

**Explanation:** The operations of the ACSLS type library require the ACSLS API module loaded to the system. If this module is not loaded to the system, define ACSLS library will fail.

**System action:** The command is not processed.

**User response:** Ensure that ACSLS API module is installed to the system.

**ANR8521E** Unable to allocate dataset dynalloc rc = dynalloc error = Hex and dynalloc info = .

**Explanation:** The z/OS Media server cannot allocate a dataset during a ZOSMEDIA library request and the TSM server fails the operation.

**System action:** The operation likely fails.

**User response:** Determine why the z/OS Media server cannot allocate the volume. Examine the z/OS Media server joblog for ANZ5031I messages for a summary of dynalloc related info and error messages. Review the z/OS SYSLOG for error conditions associated with the failed allocation request.

**ANR8522E** The z/OS Media server is unreachable at HLA with LLA and fails to complete a connection because of a protocol violation.

**Explanation:** The z/OS Media server may not be listening on the target LLA port. The TSM server will not continue the operation because the z/OS Media server connection can be established.

**System action:** The operation fails.

**User response:** Determine why the z/OS Media server connection cannot be established. Check to ensure the z/OS Media server is listening on the target IP address and port address. The protocol violation indicates an application is listening on the target HLA port, however the application program is not a z/OS Media server. Check the HLA and LLA values on the server definition.

**ANR8523E** The path from the source server to the destination library is taken offline.

**Explanation:** Ensure the z/OS Media server is running and listening on the appropriate port address. If the z/OS Media server is listening on the intended port address and the authentication is configured properly, there could be a problem with the z/OS Media server version that requires the library path be taken offline.

**System action:** The library path is offline.

**User response:** Determine the service level the z/OS Media server. Check the current README for the installed TSM Server by searching for z/OS Media server prerequisite specifications.

**ANR8524W** The element address of the drive drive name might be incorrect in the library library name.

**Explanation:** The element=autodetect parameter on the DEFINE DRIVE command is not supported for a network attached SCSI (NAS) drive. An invalid element address will be assigned to the device if the option is used.

**System action:** The move tape volume operation fails.

**User response:** Issue the QUERY DRIVE f=d command to verify the value in the Element field. If field is empty, issue the UPDATE DRIVE command and specify a value for the element=address parameter.

**ANR8525E** Unable to allocate the device specified by unit value.

**Explanation:** The z/OS media server cannot allocate the specified device during a ZOSMEDIA library request because the UNIT value in the device class that is associated with the volume mount request specifies a device address that is already allocated.

**System action:** The Tivoli Storage Manager server fails the operation.

**User response:** Verify that the MOUNTLIMIT parameter value in the device class is 1 if the UNIT value specifies a device address. Additionally, you can update the MOUNTRETENTION parameter value to 0. This will ensure that the mounted volume is dismounted after each use.
ANR8526W The IBM Tape Device Driver settings have been updated and need to be restarted. The device driver can be restarted by either restarting windows or reinstalling the IBM Tape Device Driver.

Explanation: The IBM Tape Device Driver settings have been changed to not automatically reserve the drive. By allowing TSM to manage the reservations this will eliminate some reservation warnings and potential mount failures. This is a one time change that requires the device driver to be re-initialized. Reinitializing the device driver can be accomplished by either restarting windows or reinstalling the IBM Tape Device Driver. Restarting windows is simpler; reinstalling the IBM Tape Device Driver is less disruptive.

System action: Possible reservation conflicts between hosts.

User response: Restart windows or reinstall the IBM Tape Device Driver to cause the IBM Device Driver to detect the registry change.

ANR8527E The default cartridge access port (CAP) ID is invalid for library library name.

Explanation: The default CAP ID was specified in the CHECKOUT LIBVOLUME command. If the default CAP ID is specified, the CAP priority value must be set to a nonzero value.

System action: The system failed to eject the tape volumes.

User response: To verify the CAP priority value, issue the QUERY CAP command. If the priority value is 0, set the CAP priority to a nonzero value and reissue the CHECKOUT LIBVOLUME command.

ANR8528E The slot element address slot element address is invalid for the library name library.

Explanation: The slot element address is no longer valid. This issue might occur when a library is turned off or during a hardware malfunction. For a virtual library, this problem also might occur after the library is reconfigured or its firmware is updated.

System action: The slot in this library is unavailable.

User response: Ensure that the library is turned on and that no hardware problems are evident. To verify the slot element address, use the device driver tool or virtual library configuration tool.

ANR8529E Commands Unable to open library library name by using an open system call.

Explanation: Tivoli Storage Manager cannot open the library.

ANR8530W Volume volume name in drive drive name in library library name is not labeled.

Explanation: The label is blank.

System action: This volume might be labeled automatically if the AUTOLABEL parameter is set to YES and the library supports automatic labeling.

User response: To label the volume manually, issue the LABEL LIBVOLUME command. Check the volume in by issuing the CHECKIN LIBVOLUME command.

ANR8550E (AIX) Error opening filespec.

Explanation: An error occurs while attempting an open operation.

System action: Server processing continues.

User response: Refer to the other displayed messages to determine why the open operation has failed. Correct the problem and restart the process.

If you have entered a file name ensure that the file name is correct and that it exists.

ANR8550E (HP-UX) Error opening file name.

Explanation: An error occurs while the server attempts a file open operation.

System action: Server processing continues.

User response: Refer to the other displayed messages to determine why the open operation has failed. Correct the problem and restart the process.

If you have entered a file name ensure that the file name is correct and that it exists.

ANR8550E (Linux) Error opening file name.

Explanation: An error occurs while the server attempts a file open operation.

System action: Server processing continues.

User response: Refer to the other displayed messages to determine why the open operation has failed. Correct the problem and restart the process.

If you have entered a file name ensure that the file name is correct and that it exists.
ANR8550E (Solaris)  Error opening file name.
Explanation:  An error occurs while the server attempts a file open operation.
System action:  Server processing continues.
User response:  
  • Refer to the other displayed messages to determine why the open operation has failed. Correct the problem and restart the process.
  • If you have entered a file name ensure that the file name is correct and that it exists.

ANR8551E (Solaris)  An error (error code) occurred during a write operation.
Explanation:  An error occurs while the server attempts a write operation.
System action:  Server processing continues.
User response:  Refer to the other displayed messages to determine why the write operation has failed. Correct the problem and restart the process.

ANR8551E (Windows)  An error (error code) occurred during a write operation.
Explanation:  The server detects an error while attempting a write operation.
System action:  Server processing continues.
User response:  Refer to the other displayed messages to determine why the write operation has failed. Correct the problem and restart the process.

ANR8552E (AIX)  An error (error code) occurred during a read operation.
Explanation:  An error occurs while attempting a read operation.
System action:  Server processing continues.
User response:  Refer to the other displayed messages to determine why the read operation failed; correct the problem and restart the process.

ANR8552E (HP-UX)  An error (error code) occurred during a read operation.
Explanation:  An error occurs while the server attempts a read operation.
System action:  Server processing continues.
User response:  Refer to the other displayed messages to determine why the read operation failed. Correct the problem and restart the process.

ANR8552E (Linux)  An error (error code) occurred during a read operation.
Explanation:  An error occurs while the server attempts a read operation.
System action:  Server processing continues.
User response:  Refer to the other displayed messages to determine why the read operation failed; correct the problem and restart the process.
ANR8552E (Solaris) • ANR8554W (AIX)

ANR8552E (Solaris)  An error (error code) occurred during a read operation.
Explanation:  An error occurs while the server attempts a read operation.
System action:  Server processing continues.
User response:  Refer to the other displayed messages to determine why the read operation failed. Correct the problem and restart the process.

ANR8552E (Windows)  An error (error code) occurred during a read operation.
Explanation:  The server detects an error while attempting a read operation.
System action:  Server processing continues.
User response:  Refer to the other displayed messages to determine why the read operation has failed. Correct the problem and restart the process.

ANR8553E (AIX)  Device type volume volume name cannot be overwritten by DUMPDB operation.
Explanation:  The specified volume already exists or contains data, so that the server cannot allow new DUMPDB data to be written to it.
System action:  The server has detected that the given volume already contains data that would be overwritten by the requested DUMPDB operation.
User response:  If the specified volume does not contain any valuable data, delete it and retry the DUMPDB operation.

ANR8553E (HP-UX)  Device type volume volume name cannot be overwritten by DUMPDB operation.
Explanation:  The specified volume already exists or contains data, so that the server cannot allow new DUMPDB data to be written to it.
System action:  The server has detected that the given volume already contains data that would be overwritten by the requested DUMPDB operation.
User response:  If the specified volume does not contain any valuable data, delete it and retry the DUMPDB operation.

ANR8553E (Linux)  Device type volume volume name cannot be overwritten by DUMPDB operation.
Explanation:  The specified volume already exists or contains data, so that the server cannot allow new DUMPDB data to be written to it.
System action:  The server has detected that the given volume already contains data that would be overwritten by the requested DUMPDB operation.
User response:  If the specified volume does not contain any valuable data, delete it and retry the DUMPDB operation.

ANR8554W (AIX)  Dump/load command: Device class device class name not defined. Devtype of FILE is assumed.
Explanation:  The specified device class name is not defined with the DUMPOADDDB DEVCLASS option, to the server in the server options file or the server is not able to define the specified device class.
System action:  Processing continues. The dump/load process assumes the device class is devtype=FILE and writes to or reads from a file.
User response:  Refer to the other displayed messages to determine why the device class is not defined. Correct the problem and restart the command if you do not wish to write to or read from a file.
ANR8554W (HP-UX) Dump/load command: Device class device class name not defined. Devtype of FILE is assumed.

Explanation: The specified device class name is not defined with the DUMPOADDDB DEVCLASS option, to the server in the server options file or the server is not able to define the specified device class.

System action: Processing continues. The dump/load process assumes the device class is devtype=FILE and writes to or reads from a file.

User response: Refer to the other displayed messages to determine why the device class is not defined. Correct the problem and restart the command if you do not wish to write to or read from a file.

ANR8554W (Linux) Dump/load command: Device class device class name not defined. Devtype of FILE is assumed.

Explanation: The specified device class name is not defined with the DUMPOADDDB DEVCLASS option, to the server in the server options file or the server is not able to define the specified device class.

System action: Processing continues. The dump/load process assumes the device class is devtype=FILE and writes to or reads from a file.

User response: Refer to the other displayed messages to determine why the device class is not defined. Correct the problem and restart the command if you do not wish to write to or read from a file.

ANR8554W (Solaris) Dump/load command: Device class device class name not defined. Devtype of FILE is assumed.

Explanation: The specified device class name is not defined with the DUMPOADDDB DEVCLASS option, to the server in the server options file or the server is not able to define the specified device class.

System action: Processing continues. The dump/load process assumes the device class is devtype=FILE and writes to or reads from a file.

User response: Refer to the other displayed messages to determine why the device class is not defined. Correct the problem and restart the command if you do not wish to write to or read from a file.

ANR8555E (HP-UX) An error (error code, error string) occurred during a read operation from disk disk name.

Explanation: An error occurred while attempting a read from disk.

System action: Server processing continues.

User response: Correct the problem and restart the process.

ANR8555E (Linux) An error (error code, error string) occurred during a read operation from disk disk name.

Explanation: An error occurred while attempting a read from disk.

System action: Server processing continues.

User response: Correct the problem and restart the process.

ANR8555E (Solaris) An error (error code, error string) occurred during a read operation from disk disk name.

Explanation: An error occurred while attempting a read from disk.

System action: Server processing continues.

User response: Correct the problem and restart the process.

ANR8555E (Windows) An error (error code) occurred during a read operation from disk disk name.

Explanation: An error occurred while attempting a read from disk.

System action: Server processing continues.

User response: Correct the problem and restart the process.

ANR8556E (AIX) Error error code (error string) occurred during a write operation to disk disk name.

Explanation: An error occurred while attempting a write to disk.

System action: Server processing continues.

User response: Correct the problem and restart the process.
ANR8556E (HP-UX)  An error (error code, error string) occurred during a write operation to disk disk name.

Explanation: An error occurred while attempting a write to disk.

System action: Server processing continues.

User response: Correct the problem and restart the process.

ANR8556E (Linux)  An error (error code, error string) occurred during a write operation to disk disk name.

Explanation: An error occurred while attempting a write to disk.

System action: Server processing continues.

User response: Correct the problem and restart the process.

ANR8556E (Solaris)  An error (error code, error string) occurred during a write operation to disk disk name.

Explanation: An error occurred while attempting a write to disk.

System action: Server processing continues.

User response: Correct the problem and restart the process.

ANR8556E (Windows)  An error (error code) occurred during a write operation to disk disk name.

Explanation: An error occurred while attempting a write to disk.

System action: Server processing continues.

User response: Correct the problem and restart the process.

ANR8557W (AIX)  Retrying failed I/O operation for disk disk name, error number number.

Explanation: An error occurred while attempting an I/O operation on a disk volume. The request will be retried.

System action: The failed I/O operation is attempted again.

User response: Correct the problem being reported to avoid more errors in the future, or contact AIX support for assistance.
is in the server instance directory. If the password was changed with an external utility, use the SET
SSLKEYRINGPW command to resynchronize the
key-ring file password with the value that the server
uses. If the problem persists then delete the key-ring
file and run the DELETE KEYRING server command so
that the server can generate a new key-ring file.

**ANR8577E (Solaris)** Tivoli Storage Manager was not
able to open the SSL key-ring file *name*. The GSKit return code is *return
code*.

**Explanation:** Initialization of the SSL environment
failed. Connections to SSL ports are not possible.
**System action:** Server operation continues.
**User response:** Verify that the correct SSL key-ring file
is in the server instance directory. If the password was
changed with an external utility, use the SET
SSLKEYRINGPW command to resynchronize the
key-ring file password with the value that the server
uses. If the problem persists then delete the key-ring
file and run the DELETE KEYRING server command so
that the server can generate a new key-ring file.

**ANR8577E (Windows)** Tivoli Storage Manager was not
able to open the SSL key-ring file *name*. The GSKit return code is *return
code*.

**Explanation:** Initialization of the SSL environment
failed. Connections to SSL ports are not possible.
**System action:** Server operation continues.
**User response:** Verify that the correct SSL key-ring file
is in the server instance directory. If the password was
changed with an external utility, use the SET
SSLKEYRINGPW command to resynchronize the
key-ring file password with the value that the server
uses. If the problem persists then delete the key-ring
file and run the DELETE KEYRING server command so
that the server can generate a new key-ring file.

**ANR8578E (AIX)** The Tivoli Storage Manager
database does not have a password for
the SSL key-ring file.

**Explanation:** Initialization of the SSL environment has
failed. Connections to SSL ports are not possible.
**System action:** Server operation continues.
**User response:** Delete the key-ring file so that TSM
can generate a new one.

**ANR8578E (HP-UX)** The Tivoli Storage Manager
database does not have a password for
the SSL key-ring file.

**Explanation:** Initialization of the SSL environment has
failed. Connections to SSL ports are not possible.
**System action:** Server operation continues.
**User response:** Delete the key-ring file so that TSM
can generate a new one.

**ANR8578E (Linux)** The Tivoli Storage Manager
database does not have a password for
the SSL key-ring file.

**Explanation:** Initialization of the SSL environment has
failed. Connections to SSL ports are not possible.
**System action:** Server operation continues.
**User response:** Delete the key-ring file so that TSM
can generate a new one.

**ANR8579E (AIX)** The SSL key ring file does not
exist, but the Tivoli Storage Manager
database contains a password for it.

**Explanation:** Initialization of the SSL environment has
failed. Connections to SSL ports are not possible.
**System action:** Server operation continues.
**User response:** Restore a copy of the key ring file or
use DELETE KEYRING so that Tivoli Storage Manager
can generate a new keyring file and password.

**ANR8579E (HP-UX)** The SSL key ring file does not
exist, but the Tivoli Storage Manager
database contains a password for it.

**Explanation:** Initialization of the SSL environment has
failed. Connections to SSL ports are not possible.
**System action:** Server operation continues.
**User response:** Restore a copy of the key ring file or
use DELETE KEYRING so that Tivoli Storage Manager can generate a new keyring file and password.

**ANR8579E (Linux)** The SSL key ring file does not exist, but the Tivoli Storage Manager database contains a password for it.

**Explanation:** Initialization of the SSL environment has failed. Connections to SSL ports are not possible.

**System action:** Server operation continues.

**User response:** Restore a copy of the key ring file or use DELETE KEYRING so that Tivoli Storage Manager can generate a new keyring file and password.

**ANR8579E (Solaris)** The SSL key ring file does not exist, but the Tivoli Storage Manager database contains a password for it.

**Explanation:** Initialization of the SSL environment has failed. Connections to SSL ports are not possible.

**System action:** Server operation continues.

**User response:** Restore a copy of the key ring file or use DELETE KEYRING so that Tivoli Storage Manager can generate a new keyring file and password.

**ANR8579E (Windows)** The SSL key ring file does not exist, but the Tivoli Storage Manager database contains a password for it.

**Explanation:** Initialization of the SSL environment has failed. Connections to SSL ports are not possible.

**System action:** Server operation continues.

**User response:** Restore a copy of the key ring file or use DELETE KEYRING so that Tivoli Storage Manager can generate a new keyring file and password.

**ANR8580E (Linux)** An SSL write error occurred on session session. The GSKit return code is gsk return code.

**Explanation:** An error occurred during an SSL write operation.

**System action:** Server operation continues.

**User response:** Retry the operation.

**ANR8580E (Solaris)** An SSL write error occurred on session session. The GSKit return code is gsk return code.

**Explanation:** An error occurred during an SSL write operation.

**System action:** Server operation continues.

**User response:** Retry the operation.

**ANR8580E (Windows)** An SSL write error occurred on session session. The GSKit return code is gsk return code.

**Explanation:** An error occurred during an SSL write operation.

**System action:** Server operation continues.

**User response:** Retry the operation.

**ANR8581E (AIX)** An SSL read error occurred on session session. The GSKit return code is gsk return code.

**Explanation:** An error occurred during an SSL read operation.

**System action:** Server operation continues.

**User response:** Retry the operation.

**ANR8581E (HP-UX)** An SSL read error occurred on session session. The GSKit return code is gsk return code.

**Explanation:** An error occurred during an SSL read operation.

**System action:** Server operation continues.

**User response:** Retry the operation.

**ANR8581E (Linux)** An SSL read error occurred on session session. The GSKit return code is gsk return code.

**Explanation:** An error occurred during an SSL read operation.

**System action:** Server operation continues.

**User response:** Retry the operation.
ANR8581E (Solaris)  An SSL read error occurred on session session. The GSKit return code is gsk return code.

Explanation: An error occurred during an SSL read operation.
System action: Server operation continues.
User response: Retry the operation.

ANR8582E (Windows) An SSL open-socket error occurred on session session. The GSKit return code is gsk return code.

Explanation: An error occurred during an SSL socket-open operation.
System action: Server operation continues.
User response: Retry the operation.

ANR8582E (AIX) An SSL open-socket error occurred on session session. The GSKit return code is gsk return code.

Explanation: An error occurred during an SSL socket-open operation.
System action: Server operation continues.
User response: Retry the operation.

ANR8582E (HP-UX) An SSL open-socket error occurred on session session. The GSKit return code is gsk return code.

Explanation: An error occurred during an SSL socket-open operation.
System action: Server operation continues.
User response: Retry the operation.

ANR8582E (Linux) An SSL open-socket error occurred on session session. The GSKit return code is gsk return code.

Explanation: An error occurred during an SSL socket-open operation.
System action: Server operation continues.
User response: Retry the operation.

ANR8582E (Solaris) An SSL open-socket error occurred on session session. The GSKit return code is gsk return code.

Explanation: An error occurred during an SSL socket-open operation.
System action: Server operation continues.
User response: Retry the operation.

ANR8583E (AIX) An SSL socket-initialization error occurred on session session. The GSKit return code is gsk return code.

Explanation: An error occurred during an SSL handshake process.
System action: Server operation continues.
User response: Verify that the client is properly configured for SSL and retry the operation.

ANR8583E (HP-UX) An SSL socket-initialization error occurred on session session. The GSKit return code is gsk return code.

Explanation: An error occurred during an SSL handshake process.
System action: Server operation continues.
User response: Verify that the client is properly configured for SSL and retry the operation.

ANR8583E (Linux) An SSL socket-initialization error occurred on session session. The GSKit return code is gsk return code.

Explanation: An error occurred during an SSL handshake process.
System action: Server operation continues.
User response: Verify that the client is properly configured for SSL and retry the operation.

ANR8583E (Solaris) An SSL socket-initialization error occurred on session session. The GSKit return code is gsk return code.

Explanation: An error occurred during an SSL handshake process.
System action: Server operation continues.
User response: Verify that the client is properly configured for SSL and retry the operation.

ANR8583E (Windows) An SSL socket-initialization error occurred on session session. The GSKit return code is gsk return code.

Explanation: An error occurred during an SSL handshake process.
System action: Server operation continues.
User response: Verify that the client is properly configured for SSL and retry the operation.
System action: Server operation continues.
User response: Verify that the client is properly configured for SSL and retry the operation.

**ANR8584I (AIX)** The SSL TCP/IP Version 6 driver is ready for connection with clients on port port number.
Explanation: The server can now accept sessions with clients using the SSL TCP/IP protocol on the indicated port number.
System action: Server operation continues.
User response: None

**ANR8585I (AIX)** The SSL TCP/IP Version 6 driver is ready for connection with administrative clients on port port number.
Explanation: The server can now accept sessions with administrative clients using the SSL TCP/IP protocol on the indicated port number.
System action: Server operation continues.
User response: None

**ANR8584I (HP-UX)** The SSL TCP/IP Version 6 driver is ready for connection with clients on port port number.
Explanation: The server can now accept sessions with clients using the SSL TCP/IP protocol on the indicated port number.
System action: Server operation continues.
User response: None

**ANR8585I (HP-UX)** The SSL TCP/IP Version 6 driver is ready for connection with administrative clients on port port number.
Explanation: The server can now accept sessions with administrative clients using the SSL TCP/IP protocol on the indicated port number.
System action: Server operation continues.
User response: None

**ANR8584I (Linux)** The SSL TCP/IP Version 6 driver is ready for connection with clients on port port number.
Explanation: The server can now accept sessions with clients using the SSL TCP/IP protocol on the indicated port number.
System action: Server operation continues.
User response: None

**ANR8585I (Linux)** The SSL TCP/IP Version 6 driver is ready for connection with administrative clients on port port number.
Explanation: The server can now accept sessions with administrative clients using the SSL TCP/IP protocol on the indicated port number.
System action: Server operation continues.
User response: None

**ANR8584I (Solaris)** The SSL TCP/IP Version 6 driver is ready for connection with clients on port port number.
Explanation: The server can now accept sessions with clients using the SSL TCP/IP protocol on the indicated port number.
System action: Server operation continues.
User response: None

**ANR8585I (Solaris)** The SSL TCP/IP Version 6 driver is ready for connection with administrative clients on port port number.
Explanation: The server can now accept sessions with administrative clients using the SSL TCP/IP protocol on the indicated port number.
System action: Server operation continues.
User response: None

**ANR8584I (Windows)** The SSL TCP/IP Version 6 driver is ready for connection with clients on port port number.
Explanation: The server can now accept sessions with clients using the SSL TCP/IP protocol on the indicated port number.
System action: Server operation continues.
User response: None

**ANR8585I (Windows)** The SSL TCP/IP Version 6 driver is ready for connection with administrative clients on port port number.
Explanation: The server can now accept sessions with administrative clients using the SSL TCP/IP protocol on the indicated port number.
System action: Server operation continues.
User response: None
ANR8586E (AIX)  The server was not able to create the key-ring file file name. The GSKit key-management return code is return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.
System action: Server operation continues.
User response: Verify that permissions to the server instance directory are correct.

ANR8586E (HP-UX)  The server was not able to create the key-ring file file name. The GSKit key-management return code is return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.
System action: Server operation continues.
User response: Verify that permissions to the server instance directory are correct.

ANR8586E (Linux)  The server was not able to create the key-ring file file name. The GSKit key-management return code is return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.
System action: Server operation continues.
User response: Verify that permissions to the server instance directory are correct.

ANR8586E (Solaris)  The server was not able to create the key-ring file file name. The GSKit key-management return code is return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.
System action: Server operation continues.
User response: Verify that permissions to the server instance directory are correct.

ANR8586E (Windows)  The server was not able to create the key-ring file file name. The GSKit key-management return code is return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.
System action: Server operation continues.
User response: Verify that permissions to the server instance directory are correct.

ANR8587E (AIX)  The server was not able to create the SSL self-signed certificate. The GSKit key management return code is return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.
System action: Server operation continues.
User response: Check the GSKit return code and take appropriate action.

ANR8587E (HP-UX)  The server was not able to create the SSL self-signed certificate. The GSKit key management return code is return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.
System action: Server operation continues.
User response: Check the GSKit return code and take appropriate action.

ANR8587E (Linux)  The server was not able to create the SSL self-signed certificate. The GSKit key management return code is return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.
System action: Server operation continues.
User response: Check the GSKit return code and take appropriate action.

ANR8587E (Solaris)  The server was not able to create the SSL self-signed certificate. The GSKit key management return code is return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.
System action: Server operation continues.
User response: Check the GSKit return code and take appropriate action.

ANR8587E (Windows)  The server was not able to create the SSL self-signed certificate. The GSKit key management return code is return code.

Explanation: Initialization of the SSL environment has failed. Connections to SSL ports are not possible.
System action: Server operation continues.
User response: Check the GSKit return code and take appropriate action.
ANR8588E (AIX) - The server was not able to export to the SSL public certificate file name. The GSKit key-management return code is return code.

Explanation: The certificate export file could not be generated for use by the Tivoli Storage Manager clients.

System action: Server operation continues.

User response: Verify that permissions to the server instance directory are correct.

ANR8589E (AIX) - The server was not able to initialize the GSKit key-management environment. The GSKit key-management return code is return code.

Explanation: The GSKit key-management subsystem could not be initialized.

System action: Server operation continues.

User response: Verify that permissions to execute the GSKit key management dynamic-link libraries are correct.

ANR8588E (HP-UX) - The server was not able to export to the SSL public certificate file name. The GSKit key-management return code is return code.

Explanation: The certificate export file could not be generated for use by the Tivoli Storage Manager clients.

System action: Server operation continues.

User response: Verify that permissions to the server instance directory are correct.

ANR8589E (HP-UX) - The server was not able to initialize the GSKit key-management environment. The GSKit key-management return code is return code.

Explanation: The GSKit key-management subsystem could not be initialized.

System action: Server operation continues.

User response: Verify that permissions to execute the GSKit key management dynamic-link libraries are correct.

ANR8588E (Linux) - The server was not able to export to the SSL public certificate file name. The GSKit key-management return code is return code.

Explanation: The certificate export file could not be generated for use by the Tivoli Storage Manager clients.

System action: Server operation continues.

User response: Verify that permissions to the server instance directory are correct.

ANR8589E (Linux) - The server was not able to initialize the GSKit key-management environment. The GSKit key-management return code is return code.

Explanation: The GSKit key-management subsystem could not be initialized.

System action: Server operation continues.

User response: Verify that permissions to execute the GSKit key management dynamic-link libraries are correct.

ANR8588E (Solaris) - The server was not able to export to the SSL public certificate file name. The GSKit key-management return code is return code.

Explanation: The certificate export file could not be generated for use by the Tivoli Storage Manager clients.

System action: Server operation continues.

User response: Verify that permissions to the server instance directory are correct.

ANR8589E (Solaris) - The server was not able to initialize the GSKit key-management environment. The GSKit key-management return code is return code.

Explanation: The GSKit key-management subsystem could not be initialized.

System action: Server operation continues.

User response: Verify that permissions to execute the GSKit key management dynamic-link libraries are correct.

ANR8588E (Windows) - The server was not able to export to the SSL public certificate file name. The GSKit key-management return code is return code.

Explanation: The certificate export file could not be generated for use by the Tivoli Storage Manager clients.

System action: Server operation continues.

User response: Verify that permissions to the server instance directory are correct.
ANR8589E (Windows)  The server was not able to initialize the GSKit key-management environment. The GSKit key-management return code is return code.

Explanation: The GSKit key-management subsystem could not be initialized.

System action: Server operation continues.
User response: Verify that permissions to execute the GSKit key management dynamic-link libraries are correct.

ANR8590I (AIX)  Session session connection is using SSL version SSL version, cipher specification cipher specification.

Explanation: An SSL connection was established using the listed SSL version and cipher specification.

System action: Server operation continues.
User response: None

ANR8590I (HP-UX)  Session session connection is using SSL version SSL version, cipher specification cipher specification.

Explanation: An SSL connection was established using the listed SSL version and cipher specification.

System action: Server operation continues.
User response: None

ANR8590I (Linux)  Session session connection is using SSL version SSL version, cipher specification cipher specification.

Explanation: An SSL connection was established using the listed SSL version and cipher specification.

System action: Server operation continues.
User response: None

ANR8590I (Solaris)  Session session connection is using SSL version SSL version, cipher specification cipher specification.

Explanation: An SSL connection was established using the listed SSL version and cipher specification.

System action: Server operation continues.
User response: None

ANR8590I (AIX)  Session session connection is using SSL version SSL version, cipher specification cipher specification, certificate serial number certificate serial number.

Explanation: An SSL connection was established using the listed SSL version, cipher specification, and certificate serial number.

System action: Server operation continues.
User response: None

ANR8592I (AIX)  Session session connection is using SSL version SSL version, cipher specification cipher specification, certificate serial number certificate serial number.

Explanation: An SSL connection was established using the listed SSL version, cipher specification, and certificate serial number.

System action: Server operation continues.
User response: None

ANR8592I (Solaris)  Session session connection is using SSL version SSL version, cipher specification cipher specification, certificate serial number certificate serial number.

Explanation: An SSL connection was established using the listed SSL version, cipher specification, and certificate serial number.

System action: Server operation continues.
User response: None

ANR8591E (Windows)  IBM GSKit version 8 must be installed on the system.

Explanation: The server requires IBM GSKit version 8.

System action: Server operation stops.
User response: To install IBM GSKit version 8, you must install the server and restart it.

ANR8591E (Solaris)  IBM GSKit version 8 must be installed on the system.

Explanation: The server requires IBM GSKit version 8.

System action: Server operation stops.
User response: To install IBM GSKit version 8, you must install the server and restart it.
ANR8592I (Windows) • ANR8594I (AIX)

System action: Server operation continues.
User response: None.

ANR8592I (Windows)  Session session connection is using SSL version SSL version, cipher specification cipher specification, certificate serial number certificate serial number.

Explanation: An SSL connection was established using the listed SSL version, cipher specification, and certificate serial number.

System action: Server operation continues.
User response: None.

ANR8593E (AIX)  Failure to update key-ring file password.

Explanation: A SET SSLKEYRINGPW password UPDATEPW=YES command was issued to change the key-ring file password. The server was unable to change the key-ring file's password to the specified new password. The server's record of the password may be incorrect or the specified new password may not be acceptable as a new password.

System action: Server operation continues.
User response: To have the server generate a new key-ring file password, issue the DELETE KEYRING command; then halt and restart the server. Any 3rd party certificates which had been imported to the key-ring file previously must be re-imported.

ANR8593E (Solaris)  Failure to update key-ring file password.

Explanation: A SET SSLKEYRINGPW password UPDATEPW=YES command was issued to change the key-ring file password. The server was unable to change the key-ring file's password to the specified new password. The server's record of the password may be incorrect or the specified new password may not be acceptable as a new password.

System action: Server operation continues.
User response: To have the server generate a new key-ring file password, issue the DELETE KEYRING command; then halt and restart the server. Any 3rd party certificates which had been imported to the key-ring file previously must be re-imported.

ANR8593E (Windows)  Failure to update key-ring file password.

Explanation: A SET SSLKEYRINGPW password UPDATEPW=YES command was issued to change the key-ring file password. The server was unable to change the key-ring file's password to the specified new password. The server's record of the password may be incorrect or the specified new password may not be acceptable as a new password.

System action: Server operation continues.
User response: None.

ANR8593E (HP-UX)  Failure to update key-ring file password.

Explanation: A SET SSLKEYRINGPW password UPDATEPW=YES command was issued to change the key-ring file password. The server was unable to change the key-ring file's password to the specified new password. The server's record of the password may be incorrect or the specified new password may not be acceptable as a new password.

System action: Server operation continues.
User response: To have the server generate a new key-ring file password, issue the DELETE KEYRING command; then halt and restart the server. Any 3rd party certificates which had been imported to the key-ring file previously must be re-imported.

ANR8593E (Linux)  Failure to update key-ring file password.

Explanation: A SET SSLKEYRINGPW password UPDATEPW=YES command was issued to change the key-ring file password. The server was unable to change the key-ring file's password to the specified new password. The server's record of the password may be incorrect or the specified new password may not be acceptable as a new password.

System action: Server operation continues.
User response: None.
ANR8594I (HP-UX)  Session to address session is using SSL version SSL version, cipher specification cipher specification.

Explanation: An outbound SSL connection is being established to the indicated address using the listed SSL version and cipher specification.

System action: Server operation continues.

User response: None

ANR8594I (Linux)  Session to address session is using SSL version SSL version, cipher specification cipher specification.

Explanation: An outbound SSL connection is being established to the indicated address using the listed SSL version and cipher specification.

System action: Server operation continues.

User response: None

ANR8594I (Solaris)  Session to address session is using SSL version SSL version, cipher specification cipher specification.

Explanation: An outbound SSL connection is being established to the indicated address using the listed SSL version and cipher specification.

System action: Server operation continues.

User response: None

ANR8594I (Windows)  Session to address session is using SSL version SSL version, cipher specification cipher specification.

Explanation: An outbound SSL connection is being established to the indicated address using the listed SSL version and cipher specification.

System action: Server operation continues.

User response: None

ANR8595I (AIX)  Session to address session is using SSL version SSL version, cipher specification cipher specification, certificate serial number certificate serial number.

Explanation: An SSL connection is being established to the indicated address using the listed SSL version, cipher specification, and certificate serial number.

System action: Server operation continues.

User response: None.

ANR8595I (Linux)  Session to address session is using SSL version SSL version, cipher specification cipher specification, certificate serial number certificate serial number.

Explanation: An SSL connection is being established to the indicated address using the listed SSL version, cipher specification, and certificate serial number.

System action: Server operation continues.

User response: None.

ANR8595I (Solaris)  Session to address session is using SSL version SSL version, cipher specification cipher specification, certificate serial number certificate serial number.

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System action: Server operation continues.

User response: None.

ANR8595I (Windows)  Session to address session is using SSL version SSL version, cipher specification cipher specification, certificate serial number certificate serial number.

Explanation: An SSL connection is being established to the indicated address using the listed SSL version, cipher specification, and certificate serial number.

System action: Server operation continues.

User response: None.

ANR8596E (AIX)  The certificate identity could not be verified.

Explanation: The server was unable to open an SSL connection to the server at address address because the certificate identity could not be verified. Lack of verification happens when the certificate ownership
information does not match the domain name or IP address.

System action: The session ends.

User response: Ensure that the server domain name or the IP address (the value of the HLADDRESS parameter of the DEFINE SERVER command) is correct. If you are using a self-signed certificate, ensure that it was created on a server at the same address as specified in the DEFINE SERVER command.

ANR8596E (HP-UX) The certificate identity could not be verified.

Explanation: The server was unable to open an SSL connection to the server at address address because the certificate identity could not be verified. Lack of verification happens when the certificate ownership information does not match the domain name or IP address.

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ANR8597E (AIX) Certificate information could not be retrieved.

Explanation: The server was unable to obtain certificate information for an SSL connection to the server at address address.

System action: The session ends.

User response: Ensure that the certificate for the target server was imported to this server's key-ring file. If you are using a third-party certificate, you can test it with a session to the target server's SSL port with a browser such as Firefox.

ANR8597E (HP-UX) Certificate information could not be retrieved.

Explanation: The server was unable to obtain certificate information for an SSL connection to the server at address address.

System action: The session ends.

User response: Ensure that the certificate for the target server was imported to this server's key-ring file. If you are using a third-party certificate, you can test it with a session to the target server's SSL port with a browser such as Firefox.

ANR8597E (Linux) Certificate information could not be retrieved.

Explanation: The server was unable to obtain certificate information for an SSL connection to the server at address address.

System action: The session ends.

User response: Ensure that the certificate for the target server was imported to this server's key-ring file. If you are using a third-party certificate, you can test it with a session to the target server's SSL port with a browser such as Firefox.
server was imported to this server's key-ring file. If you are using a 3rd-party certificate, you can test it with a session to the target server's SSL port with a browser such as Firefox.

**ANR8597E (Solaris)** Certificate information could not be retrieved.

**Explanation:** The server was unable to obtain certificate information for an SSL connection to the server at address address.

**System action:** The session ends.

**User response:** Ensure that the certificate for the target server was imported to this server's key-ring file. If you are using a 3rd-party certificate, you can test it with a session to the target server's SSL port with a browser such as Firefox.

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**System action:** The session ends.

**User response:** Ensure that the certificate for the target server was imported to this server's key-ring file. If you are using a 3rd-party certificate, you can test it with a session to the target server's SSL port with a browser such as Firefox.

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**ANR8598I (AIX)** Outbound SSL Services were loaded.

**Explanation:** The server is enabled to run SSL sessions from the server to other servers during node replication.

**System action:** Processing continues.

**User response:** None. The server can communicate via SSL to other servers. Prior to starting the server, certificates must be loaded in the server's keyring file (cert.kdb).

**ANR8598I (Linux)** Outbound SSL Services were loaded.

**Explanation:** The server is enabled to run SSL sessions from the server to other servers during node replication.

**System action:** Processing continues.

**User response:** None. The server can communicate via SSL to other servers. Prior to starting the server, certificates must be loaded in the server's keyring file (cert.kdb).

**ANR8598I (Solaris)** Outbound SSL Services were loaded.

**Explanation:** The server is enabled to run SSL sessions from the server to other servers during node replication.

**System action:** Processing continues.

**User response:** None. The server can communicate via SSL to other servers. Prior to starting the server, certificates must be loaded in the server's keyring file (cert.kdb).

**ANR8598I (HP-UX)** Outbound SSL Services were loaded.

**Explanation:** The server is enabled to run SSL sessions from the server to other servers during node replication.

**System action:** Processing continues.

**User response:** None. The server can communicate via SSL to other servers. Prior to starting the server, certificates must be loaded in the server's keyring file (cert.kdb).

**ANR8675E (AIX)** File name: File already exists for File or FileText Exit.

**Explanation:** The specified file already exists and the file-exit option was set to PRESERVE.

**System action:** Server continues running.

**User response:** Specify a non-existent file.

**ANR8675E (HP-UX)** File name with environment variable DMSERV_DIR: File already exists for File or FileText Exit.

**Explanation:** The specified file already exists and the file-exit option was set to PRESERVE.

**System action:** Server continues running.

**User response:** Specify a non-existent file.
ANR8675E (Linux) • ANR8677E (Windows)

ANR8675E (Linux)  File name with environment variable DSMSERV_DIR: File already exists for File/FileText Exit, overwrite option not set to YES.
Explanation: The specified file already exists and the overwrite option was not set to Yes.
System action: Server continues running.
User response: Specify another file or set the overwrite option to YES in the server options file.

ANR8675E (Solaris)  File name with environment variable DSMSERV_DIR: File already exists for File/FileText Exit, overwrite option not set to YES.
Explanation: The specified file already exists and the overwrite option was not set to Yes.
System action: Server continues running.
User response: Specify another file or set the overwrite option to YES in the server options file.

ANR8675E (Windows)  File name with path within registry: File already exists for File or FileText Exit.
Explanation: The specified file already exists and the File/FileText exit option was set to PRESERVE.
System action: Server continues running.
User response: Specify a non-existent file.

ANR8677E (AIX)  User specified module: Cannot load into server, AIX system error number number.
Explanation: The server was unable to load the module specified. The module is not a properly C-compiled and linked dynamic module.
System action: Server initialization stops or server continues running if already up.
User response: Use the server supplied sample makefile and export files to compile-link the user-exit module. Make sure the export.ref file contains the server-defined function name, and the module actually contains the server-defined function name, with one void parameter declared.

ANR8677E (HP-UX)  User specified module, with environment variable DSMSERV_DIR: Cannot load into server, system errno = Error number generated by HP-UX.
Explanation: The server was unable to load the module specified. The module is not a properly C-compiled and linked dynamic module.
System action: Server initialization stops or server continues running if already up.
User response: Use the server supplied sample makefile and export files to compile-link the user-exit module. Make sure the export.ref file contains the server-defined function name, and the module actually contains the server-defined function name, with one void * parameter declared, and returns void.

ANR8677E (Solaris)  User specified module, with environment variable DSMSERV_DIR: Cannot load into server, system errno = Error number generated by Solaris.
Explanation: The server was unable to load the module specified. The module is not a properly C-compiled and linked dynamic module.
System action: Server continues running.
User response: Use the server supplied sample makefile, c, and h files to generate the user-exit module. Make sure the module contains product-defined function name adsmV3UserExit, and the module actually contains the product-defined function name, with one void * parameter declared, and returns void.

ANR8677E (Windows)  User specified module, with path within registry: Cannot load into server, system errno = Error number generated by Windows.
Explanation: The server was unable to load the module specified. The module is not a properly C-compiled and linked dynamic module.
System action: Server continues running.
User response: Use the server supplied sample makefile compile-link the user-exit module.
**ANR8678E (AIX)**  Cannot bind User specified module into server. AIX system error number.

**Explanation:** The server was unable to bind with the module specified.

**System action:** Server initialization stops or server continues running if already up.

**User response:** Use the server supplied sample makefile and export files to compile-link the user-exit module. Make sure the export.ref file contains the server-defined function name, and the module actually contains the server-defined function name, with 1 void parameter declared. The module may contain a global variable name that conflicts with the server's.

**ANR8678E (HP-UX)**  Cannot bind User specified module, with environment variable DSMSERV_DIR into server, system errno = Error number generated by HP-UX.

**Explanation:** The server was unable to bind with the module specified.

**System action:** Server initialization stops or server continues running if already up.

**User response:** Use the server supplied sample makefile and export files to compile-link the user-exit module. Make sure the export.ref file contains the server-defined function name, and the module actually contains the server-defined function name, with 1 void parameter declared. The module may contain a global variable name that conflicts with the server's.

**ANR8678E (Linux)**  Cannot bind User specified module, with environment variable DSMSERV_DIR into server, system errno = Error number generated by Solaris.

**Explanation:** The server was unable to bind with the module specified. The server could not find a function named adsmV3UserExit in the module.

**System action:** Server continues running.

**User response:** Use the supplied sample makefile, c and header files to create the user exit module. Make sure there is a function name in the DLL as specified in the server options file. Make sure the function only accepts one argument, a void pointer.

**ANR8678E (Solaris)**  Cannot bind User specified module, with environment variable DSMSERV_DIR into server, system errno = Error number generated by Solaris.

**Explanation:** The server was unable to bind with the module specified. The server could not find a function named adsmV3UserExit in the module.

**System action:** Server continues running.

**User response:** Use the server supplied sample makefile, c and header files to create the user exit module. Make sure the shared library module contains a function named adsmV3UserExit of type void, with one parameter of a void *.

**ANR8678E (Windows)**  Cannot find/set User specified function name within DLL in User specified DLL library name, with registry path, system errno = Error number generated by Windows.

**Explanation:** The server was unable to find and/or bind with the function name in the DLL specified.

**System action:** Server continues running.

**User response:** Use the server supplied sample makefile, c and header files to create the user exit module. Make sure there is a function name in the DLL as specified in the server options file. Make sure the function only accepts one argument, a void pointer.

**ANR8679W (AIX)** A user-exit module is already loaded.

**Explanation:** A user-exit module was loaded previously. Another user-exit module cannot be loaded.

**System action:** Server initialization stops or server continues running if already up.

**User response:** To load a new user-exit module, halt the server and then restart the server with the new user-exit module.

**ANR8679W (HP-UX)** There is already an user-exit loaded.

**Explanation:** There was a previous successful load of an user-exit module, thus server cannot load another one.

**System action:** Server initialization stops or server continues running if already up.

**User response:** To load a new user-exit module, the server must be halted and then restart the server with the new user-exit module.

**ANR8679W (Linux)** Unable to unload user exit module: system errno = Error number generated by Solaris.

**Explanation:** The server was not able to unload the user-exit module.

**System action:** Server continues running.

**User response:** The server should be stopped at the earliest possible time before the user exit is to be reactivated.
ANR8679W (Solaris) • ANR8681I (Linux)

ANR8679W (Solaris) Unable to unload user exit module: system errno = Error number generated by Solaris.
Explanation: The server was not able to unload the user-exit module.
System action: Server continues running.
User response: The server should be stopped at the earliest possible time before the user exit is to be reactivated.

ANR8679W (Windows) There is already an user-exit loaded.
Explanation: There was a previous successful load of an user-exit module, thus server cannot load another one.
System action: Server continues running.
User response: To load a new user-exit module, halt the server and then restart the server with the new user-exit module.

ANR8680W (AIX) A file used for the file or filetext exit is already opened.
Explanation: A file for the file or filetext exit was previously opened. The server cannot open another one.
System action: Server initialization stops or server continues running if already up.
User response: To start a new file for the file or filetext exit, halt the server, then restart the server with the new file name.

ANR8680W (HP-UX) There is already a file used for the file or filetext exit.
Explanation: There was a previous file open for the file or filetext exit. The server cannot open another one.
System action: Server initialization stops or server continues running if already up.
User response: To start a new file for the exit, halt the server, then restart the server with a new file name.

ANR8680W (Linux) There is already a file used for the file or filetext exit.
Explanation: There was a previous file open for the file or filetext exit. The server cannot open another one.
System action: Server initialization stops or server continues running if already up.
User response: To start a new file for the exit, halt the server, then restart the server with a new file name.

ANR8681I (AIX) Connected to Tivoli event server at node name on port port.
Explanation: The server successfully established a connection with the Tivoli event server on the specified node name and port.
System action: The server sends events to the Tivoli event server using this connection.
User response: None.

ANR8681I (HP-UX) Connected to Tivoli event server at node name on port port.
Explanation: The server successfully established a connection with the Tivoli event server on the specified node name and port.
System action: The server sends events to the Tivoli event server using this connection.
User response: None.

ANR8681I (Linux) Connected to Tivoli event server at node name on port port.
Explanation: The server successfully established a connection with the Tivoli event server on the specified node name and port.
System action: The server sends events to the Tivoli event server using this connection.
User response: None.
ANR8681I (Solaris) Connected to Tivoli event server at node name on port port.
Explanation: The server successfully established a connection with the Tivoli event server on the specified node name and port.
System action: The server sends events to the Tivoli event server using this connection.
User response: None.

ANR8681I (Windows) Connected to Tivoli event server at node name on port port.
Explanation: The server successfully established a connection with the Tivoli event server on the specified node name and port.
System action: The server sends events to the Tivoli event server using this connection.
User response: None.

ANR8682E (AIX) Unable to determine port of Tivoli event server on node node name.
Explanation: The server was unable to determine the TCP/IP port for the Tivoli event server on node node name.
System action: Event logging to the Tivoli event server is disabled.
User response: Ensure that the Tivoli event server is running on the specified system. If the system on which the event server is running does not support the TCP/IP Portmapper, then ensure that TECPORT is specified in the server options file.

ANR8682E (HP-UX) Unable to determine port of Tivoli event server on node node name.
Explanation: The server was unable to determine the TCP/IP port for the Tivoli event server on node node name.
System action: Event logging to the Tivoli event server is disabled.
User response: Ensure that the Tivoli event server is running on the specified system. If the system on which the event server is running does not support the TCP/IP Portmapper, then ensure that TECPORT is specified in the server options file.

ANR8682E (Linux) Unable to determine port of Tivoli event server on node node name.
Explanation: The server was unable to determine the TCP/IP port for the Tivoli event server on node node name.
System action: Event logging to the Tivoli event server is disabled.
User response: Ensure that the Tivoli event server is running on the specified system. If the system on which the event server is running does not support the TCP/IP Portmapper, then ensure that TECPORT is specified in the server options file.

ANR8682E (Solaris) Unable to determine port of Tivoli event server on node node name.
Explanation: The server was unable to determine the TCP/IP port for the Tivoli event server on node node name.
System action: Event logging to the Tivoli event server is disabled.
User response: Ensure that the Tivoli event server is running on the specified system. If the system on which the event server is running does not support the TCP/IP Portmapper, then ensure that TECPORT is specified in the server options file.

ANR8682E (Windows) Unable to determine port of Tivoli event server on node node name.
Explanation: The server was unable to determine the TCP/IP port for the Tivoli event server on node node name.
System action: Event logging to the Tivoli event server is disabled.
User response: Ensure that the Tivoli event server is running on the specified system. If the system on which the event server is running does not support the TCP/IP Portmapper, then ensure that TECPORT is specified in the server options file.

ANR8683E (AIX) Unable to connect to the Tivoli event server at node node name on port port.
Explanation: The server was unable to establish a TCP/IP connection with the Tivoli event server on node node name at port port.
System action: Event logging to the Tivoli event server is disabled.
User response: Ensure that the Tivoli event server is running on the specified system. If the system on which the event server is running does not support the TCP/IP Portmapper, then ensure that TECPORT is specified in the server options file.

ANR8683E (HP-UX) Unable to connect to the Tivoli event server at node node name on port port.
Explanation: The server was unable to establish a TCP/IP connection with the Tivoli event server on node node name at port port.
System action: Event logging to the Tivoli event server is disabled.
User response: Ensure that the Tivoli event server is running on the specified system. If the system on which the event server is running does not support the TCP/IP Portmapper, then ensure that TECPORT is specified in the server options file.

ANR8683E (Linux) Unable to connect to the Tivoli event server at node node name on port port.
Explanation: The server was unable to establish a TCP/IP connection with the Tivoli event server on node node name at port port.
ANR8683E (Linux) • ANR8684E (Linux)

System action: Event logging to the Tivoli event server is disabled.

User response: Ensure that the Tivoli event server is running on the specified system. If the system on which the event server is running does not support the TCP/IP Portmapper, then ensure that the value specified for TECPORT in the server options file is correct.

ANR8683E (Linux) Unable to connect to the Tivoli event server at node name on port port.

Explanation: The server was unable to establish a TCP/IP connection with the Tivoli event server on node name at port port.

System action: Event logging to the Tivoli event server is disabled.

User response: Ensure that the Tivoli event server is running on the specified system. If the system on which the event server is running does not support the TCP/IP Portmapper, then ensure that the value specified for TECPORT in the server options file is correct.

ANR8684E (AIX) Unable to connect to the Tivoli event server because TCP/IP is not available.

Explanation: The server was unable to establish a TCP/IP connection with the Tivoli event server because TCP/IP services were not available.

System action: Event logging to the Tivoli event server is disabled.

User response:
- Ensure that COMMMETHOD TCPIP is specified in the server options file.
- If COMMMETHOD TCPIP was specified, use the BEGIN EVENTLOGGING TIVOLI command to manually start event logging to the Tivoli event server once server initialization has completed.

ANR8684E (HP-UX) Unable to connect to the Tivoli event server because TCP/IP is not available.

Explanation: The server was unable to establish a TCP/IP connection with the Tivoli event server because TCP/IP services were not available.

System action: Event logging to the Tivoli event server is disabled.

User response:
- Ensure that COMMMETHOD=TCPIP is specified in the server options file, or that COMMMETHOD=NONE is not specified.
- If COMMMETHOD=TCPIP was specified, use the BEGIN EVENTLOGGING TIVOLI command to manually start event logging to the Tivoli event server once server initialization has completed.

ANR8684E (Linux) Unable to connect to the Tivoli event server because TCP/IP is not available.

Explanation: The server was unable to establish a TCP/IP connection with the Tivoli event server because TCP/IP services were not available.

System action: Event logging to the Tivoli event server is disabled.

User response:
- Ensure that COMMMETHOD=TCPIP is specified in the server options file, or that COMMMETHOD=NONE is not specified.
- If COMMMETHOD=TCPIP was specified, use the BEGIN EVENTLOGGING TIVOLI command to manually start event logging to the Tivoli event server once server initialization has completed.

ANR8684E (Windows) Unable to connect to the Tivoli event server at node name on port port.

Explanation: The server was unable to establish a TCP/IP connection with the Tivoli event server on node name at port port.

System action: Event logging to the Tivoli event server is disabled.

User response: Ensure that the Tivoli event server is running on the specified system. If the system on which the event server is running does not support the TCP/IP Portmapper, then ensure that the value specified for TECPORT in the server options file is correct.
ANR8684E (Solaris) Unable to connect to the Tivoli event server because TCP/IP is not available.

Explanation: The server was unable to establish a TCP/IP connection with the Tivoli event server because TCP/IP services were not available.

System action: Event logging to the Tivoli event server is disabled.

User response:
• Ensure that COMMMETHOD=TCPIP is specified in the server options file, or that COMMMETHOD=NONE is not specified.
• If COMMMETHOD=TCPIP was specified, use the BEGIN EVENTLOGGING TIVOLI command to manually start event logging to the Tivoli event server once server initialization has completed.

ANR8684E (Windows) Unable to connect to the Tivoli event server because TCP/IP is not available.

Explanation: The server was unable to establish a TCP/IP connection with the Tivoli event server because TCP/IP services were not available.

System action: Event logging to the Tivoli event server is disabled.

User response:
• Ensure that COMMMETHOD=TCPIP is specified in the server options file, or that COMMMETHOD=NONE is not specified.
• If COMMMETHOD=TCPIP was specified, use the BEGIN EVENTLOGGING TIVOLI command to manually start event logging to the Tivoli event server once server initialization has completed.

ANR8685I (AIX) Core dump being generated to file core dump file

Explanation: The server has started generating a coredump to the specified file as a result of a user request.

System action: Server operation continues.

User response: None.

ANR8686I (AIX) Core dump successfully generated

Explanation: The server has successfully generated the requested core dump.

System action: Server operation continues.

User response: None.

ANR8687E (AIX) Error generating core dump, errno system errno.

Explanation: The server was unable to generate the requested core dump. The errno indicates the reason AIX was unable to complete the request.

System action: Server operation continues.

User response: None.

ANR8740W Number of automated library slots (slots in use) exceeds license terms (slots licensed).

Explanation: The number of slots in use within automated libraries exceeds the licensed value.

System action: The operation completes.

User response: Contact your service representative to update license values for slots in automated libraries, or reduce the number of slots in use by issuing CHECKOUT LIBVOLUME commands as necessary.

ANR8741E CHECKIN LIBVOLUME not permitted with current license terms.

Explanation: The CHECKIN LIBVOLUME operation is not permitted because the current license terms do not allow it.

System action: The command fails.

User response: Contact your service representative to update license values for slots in automated libraries, or reduce the number of slots in use by issuing CHECKOUT LIBVOLUME commands as necessary.

ANR8742E This server is not licensed to support the device type device type. Device Support Module module number is required.

Explanation: A DEFINE DRIVE command or a volume mount operation cannot be processed because the server is not licensed to support the required device type.

System action: The operation fails.

User response: Contact your service representative to update the server license terms so that support for the required device type is enabled.

ANR8743E This server is not licensed to support library device name. Device Support Module module number is required.

Explanation: Either a DEFINE LIBRARY command, a volume mount operation, or library initialization cannot be processed because the server is not licensed to support the given library.

System action: The operation fails.
ANR8744E  Contact your service representative to 
update the server license terms so that support for the 
given library device is enabled.

ANR8744E  *Command: Current license terms do not 
permit this operation.*

Explanation: The specified command failed because 
the current license terms do not permit it.

System action: The operation fails.

User response: Contact your service representative to 
update the server license terms so that the requested 
operation can be processed.

ANR8745E  *Support for the 3590 device type is 
disabled for library library name.*

Explanation: The requested operation fails because 
support for the 3590 device type is not currently 
enabled for the specified library.

System action: The operation fails.

User response: Make sure the ENABLE3590LIBRARY 
option is specified in the server options file, and that 
the scratch category number for 3590 volumes does not 
conflict with the private category or the CARTRIDGE 
volume scratch category.

ANR8746E  *Device type device type is not supported 
in this release.*

Explanation: The specified device type cannot be used 
by this release/platform of the server.

System action: The device cannot be used.

User response: Contact your sales or service 
representative to upgrade to the latest release of the 
server.

ANR8747I  *Checking in volume volume name in 
library library name- CANCEL 
PENDING.*

Explanation: In response to a QUERY PROCESS 
command, this message displays the status for a 
CHECKIN LIBVOLUME process on the server. The 
given volume was being checked in to the designated 
library, but the process was canceled by an 
administrator.

System action: The background process operation is 
in a wait queue. When the process comes off the queue, it 
will be terminated.

User response: None.

ANR8748I  *Checking in volumes in search mode in 
library library name- CANCEL 
PENDING.*

Explanation: In response to a QUERY PROCESS 
command, this message displays the status for a 
CHECKIN LIBVOLUME process on the server. Volumes 
were being checked into the given library in search 
mode, but the process was canceled by an 
administrator.

System action: The background process operation is 
being terminated.

User response: None.

ANR8749E  *Library order sequence check on library 
library name.*

Explanation: An attempt has been made to mount or 
demount a volume, but the attempt fails for one of the 
following reasons:

- Mount is already in progress or a volume is already 
  mounted.
- Mount is already pending.
- Demount is already pending.
- Demount was requested but no volume is mounted.

System action: The operation fails.

User response: This error usually occurs when a 
demount fails and a cartridge is left in the drive. All 
subsequent mounts fail while attempting to insert 
another cartridge into the same drive. Demount the 
cartridge using the library manager or perform an 
AUDIT LIBRARY operation on the designated library. 
Retry the operation.

ANR8750E  *Volume is incompatible with specified 
device type in library library name.*

Explanation: An attempt has been made to mount or 
check in a volume, but the attempt fails because the 
cartridge being mounted is not compatible with the 
drive (For example, attempting to mount a 3590 
cartridge on a 3490 drive).

System action: The operation fails.

User response: Ensure the DEVTYPE parameter on 
the CHECKIN command matches the device type of 
the drive. Retry the operation.

ANR8751W  *This server is not licensed to support 
the device type device type. Managed 
Library license is required.*

Explanation: This message is issued when a DEFINE 
DRIVE command or a volume mount operation uses a 
device class that is not licensed on the server.

System action: The operation fails if this is a 
try-and-buy server. For purchased servers, this message
is to warn you that you are not in compliance with registered license terms.

User response: Contact your service representative to update the server license terms so that support for the required device type is enabled.

**ANR8752W** This server is not licensed to support library device type. Managed Library license is required.

Explanation: This message is issued when a DEFINE LIBRARY command or a volume mount operation uses a device class that is not licensed on the server.

System action: The operation fails if this is a try-and-buy server. For purchased servers, this message is to warn you that you are not in compliance with registered license terms.

User response: Contact your service representative to update the server license terms so that support for the required device type is enabled.

**ANR8753W** This server is not licensed to support library library name. Library Sharing is required.

Explanation: This message is issued when a DEFINE LIBRARY command or library initialization for a library that requires library sharing and library sharing is not licensed on the server.

System action: The operation fails if this is a try-and-buy server. For purchased servers, this message is to warn you that you are not in compliance with registered license terms.

User response: Contact your service representative to update the server license terms so that support for the required device type is enabled.

**ANR8754E** Command: There is already a request to delete library library name.

Explanation: The designated library cannot be deleted or updated because there is a request to delete the library already.

System action: The command is not processed.

User response: None.

**ANR8755E** Command: There is already a request to update library library name.

Explanation: The designated library cannot be deleted because there is a request to update the library already.

System action: The command is not processed.

User response: None.

**ANR8756E** For optical libraries, you must specify CHECKLABEL=YES.

Explanation: Optical libraries require the CHECKLABEL parameter to be set to YES

System action: The command fails.

User response: Reissue the command and specify the CHECKLABEL=NO option.

**ANR8757W** This server is not licensed to support library device type. Extended Edition license is required.

Explanation: This message is issued when a DEFINE LIBRARY command or a volume mount operation uses a device class that is not licensed on the server.

System action: The operation fails if this is a try-and-buy server. For purchased servers, this message is to warn you that you are not in compliance with registered license terms.

User response: Contact your service representative to update the server license terms so that support for the required device type is enabled.

**ANR8758W** The number of online drives in the VTL library library name does not match the number of online drive paths for source source name.

Explanation: If the number of online drives in the library does not match the number of online paths to drives in the library for any applicable source, it might cause the server to choose a drive that lacks a valid path definition. The server will then retry the mount operation and any retry could adversely affect mount performance.

System action: The operation continues, but receiving this message indicates that there might be a possible mount retry if the selected drive does not have a valid, online path defined.

User response: Evaluate all drive path definitions. Define drive paths for any drives that lack a path definition for any applicable source (for example storage agents). Validate that all drive path definitions are online. If a drive path is offline for a hardware reason, resolve the hardware issue and update the path so that it is back online.

**ANR8759W** The drive name drive in the lib name library is owned by owner name.

Explanation: If a drive is owned by a library client or a storage agent, the library manager does not verify the drive access and readiness during the library manager initialization.

System action: None.
User response: In a shared library environment, the owner of a tape drive can change. If a tape drive is owned by a library client or storage agent, the library manager cannot access the tape drive. For example, if a library client or storage agent owns a tape drive, but the library manager halts or fails to respond on startup, the library manager remembers the library client or storage agent that owns the drive, and skips processing this drive. If the library client or storage agent is not synchronized with the library manager and has no record of owning the drive, this can result in an inability to use the drive. In this case, you might need to reset the drive reservation from the host machine of the library client or storage agent.

ANR8760I  Cancel in progress.
Explanation: The MOVE MEDIA command has been canceled and will end when resources have been freed for the background process. This message may be displayed in response to a QUERY PROCESS command for a MOVE MEDIA command.
System action: Server operation continues.
User response: None.

ANR8761I  Number of volumes processed: number
Explanation: The MOVE MEDIA command has processed the number of volumes displayed. This message may be displayed in response to a QUERY PROCESS command for a MOVE MEDIA command.
System action: Server operation continues.
User response: None.

ANR8762E  The drive drive name in the library library name was unable to obtain an encryption key from the encryption key management.
Explanation: The encryption key manager did not respond to the drive or library that is managed by the Tivoli Storage Manager server. Since Tivoli Storage Manager is not managing the encryption keys, there is an issue with the encryption key manager, the drive, or the library.
System action: The operation fails.
User response: This is most likely a problem with the encryption key manager (for example, a timeout or communication failure between the encryption key manager and the drive or library). Correct any issues with the encryption key manager and try the operation again. If the problem persists, contact IBM hardware support.

ANR8763E  Command: Volume volume name not processed; library library name not defined.
Explanation: The indicated volume is not processed since the designated library has not been defined or has been deleted.
System action: The volume is not processed.
User response: Reissue the command using a different library name, or define the library before retrying the command.

ANR8764E  Command: Volume volume name not processed; the operation is not allowed for library type library type.
Explanation: The indicated volume is not processed since the requested operation is not allowed for libraries of the given type.
System action: The volume is not processed.
User response: None.

ANR8765I  Request number device type volume volume name in location location name is required for use in library library name; CHECKIN LIBVOLUME required within time limit minutes.
Explanation: A mount request has been made for a volume that is defined in a storage pool, but which is currently checked out of the given library and stored in the location shown.
System action: The server waits until it detects that the volume has been checked into the library, or the time limit expires.
User response: Obtain the required volume from the indicated location, and insert it into the library by issuing a CHECKIN LIBVOLUME command. Use the SWAP=YES option of the CHECKIN LIBVOLUME command if the library is currently full; this process allows the server to select an appropriate volume to be swapped out in order to make room for the required volume.

ANR8766I  MOVE MEDIA command; CHECKOUT LIBVOLUME command for volume volume name in library library name completed successfully; Place the ejected volume in location location name.
Explanation: The CHECKOUT LIBVOLUME operation has completed successfully for the indicated volume in the given library. Place the ejected volume in the indicated location.
System action: The volume is either deleted from the library inventory (if its status is something other than DATA) or marked not present (if its status is DATA).
If an *UNKNOWN* location is displayed, issue UPDATE STGPOOL OVFLLOCATION command to define an overflow location name to be used on the subsequent MOVE MEDIA command. For the volumes ejected with an *UNKNOWN* location, use UPDATE VOLUME LOCATION command to update its location to your overflow location name.

**ANR8767I**  Number of volumes processed: number volumes processed. Volumes sent to library library name for checkout: number volumes sent.

**Explanation:** The MOVE MEDIA command has processed the number of volumes shown. Currently, the MOVE MEDIA command has sent for processing the number of volumes shown to the library shown. This message may be displayed in response to a QUERY PROCESS command for a MOVE MEDIA command.

**System action:** Server operation continues.

**User response:** None.

**ANR8768E**  File file name on volume drive name could not be found.

**Explanation:** The server was unable to find the specified file name on the indicated volume. For removable file device classes, each volume maintains data using a file name which is the same as the volume name and the label value on the volume.

**System action:** The volume is rejected.

**User response:** Ensure that the proper volume has been placed into the drive. If you are creating a removable file device class volume by copying data from a FILE device class volume, the media must have a label which is the same as the volume name. The file which is copied to the volume must be renamed to have the same name as the label.

**ANR8769E**  External media management function request type returned result=result.

**Explanation:** A request of the indicated function type was sent to the external library manager program, which returned a result code which was not SUCCESS.

**System action:** The server continues, but the server operation that was being attempted fails.

**User response:** Consult the documentation for the external media management program to determine how to recover from the error condition. Then attempt the server operation again.

**ANR8770W**  Unable to load external library manager filespec.

**Explanation:** A library of LIBTYPE=EXTERNAL is defined but the server cannot load the external library manager.

**System action:** The server continues, but the external library cannot be accessed.

**User response:** Verify that the EXTERNALMANAGER parameter for the external library is specified correctly on the DEFINE LIBRARY or UPDATE LIBRARY command.

**ANR8771E**  Volume volume name in library library name is deleted. External Library is not synchronized with the server. Audit required.

**Explanation:** The server deleted a volume from its inventory, and its attempt to inform the external library manager has failed.

**System action:** The server may continue to access the library, but some volumes may not be accessible until the external library is synchronized with the server.

**User response:** Perform the appropriate type of processing on the external library in order to synchronize it with the server.

**ANR8772I**  Moving volume volume name (if known) from drive drive name to slot slot element number in library library name.

**Explanation:** A volume found in the drive during library initialization is being moved to the slot.

**System action:** The volume is moved from the drive to the slot.

**User response:** None.

**ANR8773E**  Incompatible options CHECKLABEL=NO and SEARCH=YES for library type library.

**Explanation:** If a barcode reader is not installed and detected by the server, the server requires the ability to check the tape label when searching for new volumes in a VTL or SCSI tape library. The CHECKLABEL=NO and SEARCH=YES parameters on the CHECKIN LIBVOL command are not compatible.

**System action:** The command fails.

**User response:** Reissue the CHECKIN LIBVOL command and specify CHECKLABEL=YES.

**ANR8774W**  Volume volume name not checked into library library name but is using category category number.

**Explanation:** While processing a DEFINE LIBRARY or AUDIT LIBRARY command for the given library, the server found a volume that was not checked into the library (with the CHECKIN LIBVOL command), but is
User response: If the volume is to be used by the server, it does not have to be reassigned but it must be checked into the library with the CHECKIN LIBVOL command. If the volume is not to be used by the server, use the mtlib program to reassign the volume to its correct category. For details about the mtlib program, refer to the documentation provided with the library device.

ANR8775I Drive drive name unavailable at library manager.
Explanation: The specified drive availability status at the library manager has changed from available to unavailable.
System action: The drive status on the server is updated to reflect the availability to that of the library manager. The drive will not be considered as a candidate for the mount or demount request.
User response: Contact your service representative to determine the cause of the drive becoming unavailable. Once the service representative has determined the cause and changed the availability status to available at the library manager, the server will resume use of the drive.

ANR8776W Volume volume name in drive drive name contains lost VCR data; performance may be degraded.
Explanation: The Vital Cartridge Records of the cartridge in the drive are lost or corrupted. This results in the inability of the drive to do fast locates to file positions on the cartridge, which causes the locate performance for read or append operations to become degraded.
System action: The server continues the operation.
User response: There are two methods to restore the VCR data. The first method uses the MOVE DATA command to move the data off the tape and to return the tape to scratch or empty status. The VCR data is rebuilt when the empty tape is rewritten from the beginning-of-tape. The second method rebuilds the VCR by loading the tape and locating directly to the end-of-data. This is done by the server in normal use whenever data is appended to the end of the tape. It can also be done independent of the server by loading the tape in an unused drive and using the tapeutil program. Select the tapeutil option "Space to End-of-Data".

ANR8777E Mount for volume volume name failed; media performance is degraded.
Explanation: The VCR data on the volume is lost or corrupted, resulting in degraded tape positioning. The mount fails because the tape drive was configured to fail mounts that indicate this condition.
System action: The client command fails and the transaction is rolled back.
User response: Until the VCR data can be restored, the user can issue the UPDATE VOLUME command to make the volume unavailable. There are two methods to restore the VCR data. The first method uses the MOVE DATA command to move the data off the tape and to return the tape to scratch or empty status. The VCR data is rebuilt when the empty tape is rewritten from the beginning-of-tape. The second method rebuilds the VCR by loading the tape and locating directly to the end-of-data. This is done by the server in normal use whenever data is appended to the end of the tape. It can also be done independent of the server by loading the tape in an unused drive and using the tapeutil program. Select the tapeutil option "Space to End-of-Data".

ANR8778W Scratch volume volume name changed to Private Status to prevent re-access.
Explanation: The scratch volume encountered an error during mount processing that makes it unusable. The status of the volume is changed to private so that it is not selected for future scratch mounts. (Although the status has become private, it is not defined to a storage pool.)
System action: Processing continues with another scratch volume.
User response: See previous error messages to determine the cause of the mount failure, and correct the problem. If the problem is a mislabeled volume or unreadable label, relabel the scratch volume using the dsmlabel utility with the "-overwrite" option. If the volume is missing from its home slot, issue the AUDIT LIBRARY command against the library. If the volume has lost or corrupted VCR-data, relabel the volume. (This reinitializes the VCR-data by writing to the volume from beginning-of-tape.) Once the problem is corrected, update the status of the volume to scratch by using the UPDATE LIBVOL command.

ANR8779E Unable to open drive drive name, error number= errno value from open system call.
Explanation: The drive cannot be opened by the server. On UNIX and Linux systems, an error number is a value of an errno returned by the operating system. On Windows, an error number is a Windows error message number.
**ANR8780E**  
**Volume in drive drive name has no label.**  
**Explanation:** The volume in the indicated drive does not have a label. The server requires that all media be uniquely labeled.  
**System action:** The volume is rejected and the server prompts for a new volume.  
**User response:** Use the appropriate labeling utility to label the media. In Windows NT, the LABEL command is used to label removable disk cartridges, diskettes and other media which appear as drive letters.

**ANR8781E**  
**Volume in drive drive name has invalid label label.**  
**Explanation:** The volume in the indicated drive has the label shown. The name does not conform with server requirements. The server requires that all media be uniquely labeled and, for removable media, that the label with file naming conventions. The label found exceeded the maximum label size for removable media or did not conform to server labeling requirements. If ???? is shown for the label, it indicates that server was unable to read the label.  
**System action:** The volume is rejected.  
**User response:** Use the appropriate labeling utility to label the media. In Windows NT, the LABEL command is used to label removable disk cartridges, diskettes and other media which appear as drive letters. This label must still conform to server requirements.

**ANR8782E**  
**Volume volume name could not be accessed by library library name.**  
**Explanation:** The designated volume is in the inventory of the Library Manager, but the physical location is either inaccessible or unknown.  
**System action:** The operation fails. The access mode of the volume is changed to UNAVAILABLE.  
**User response:** Ensure that the cartridge is physically in the library, and reinventory the library. If the volume location is resolved, restore the access mode of the volume to its previous value using the UPDATE VOLUME command.

**ANR8783E**  
**Label on volume in drive drive name could not be read.**  
**Explanation:** The server was unable to read the label on the indicated drive.  
**System action:** The volume is rejected.  
**User response:** Use the appropriate labeling utility to label the media. In Windows NT, the LABEL command is used to label removable disk cartridges, diskettes and other media which appear as drive letters. This label must still conform to server requirements.

**ANR8784E**  
**File file name on volume drive name could not be created.**  
**Explanation:** The server was unable to create the indicated file on the indicated volume. The server creates a file on removable media in which to store data.  
**System action:** The volume is rejected.  
**User response:** Ensure that the media is not defective, and is properly formatted. Ensure that there are not large numbers of files already in the root of the file system. Some file systems have limits on the number of files that may be created in the root directory.

**ANR8785E**  
**Out-of-space in file system for device type volume volume name.**  
**Explanation:** The server detected an out-of-space condition for the file system in which the given volume resides.  
**System action:** The operation fails.  
**User response:** The file system must be expanded to accommodate volume growth.

**ANR8786I**  
**Request number: Remove device type volume from entry/exit port; insert volume volume name mount mode into entry/exit port of library library name within time limit minute(s); issue 'REPLY' along with the request ID when ready.**  
**Explanation:** A CHECKIN LIBVOLUME command is in progress, and the specified volume is needed. However, there is a volume awaiting to be removed from the entry/exit port before the specified volume is inserted into the port of the given library.  
**System action:** The server waits until a REPLY command is issued.  
**User response:** Remove the volume from the library and insert the correct volume into the entry/exit port. Issue a REPLY command, along with the request ID, to tell the server that the volume has been removed and a new volume has been inserted.
ANR8787W Unable to read the barcode label(s) in library library name.

Explanation: A command is issued with the CHECKLABEL=BARCODE option. The library is unable to detect that the cartridges have valid barcode labels. The barcode reader is disabled or it is unable to read the labels.

System action: Unless the command is checking in cleaning cartridges, the process continues by loading the cartridges into the library's drives and reading the label from the tape. Cleaning cartridges have no internal label that can be checked by loading it in the drive.

User response: Cancel the process if you do not want to load all of the cartridges into the library's drives. Examine the cartridges to ensure they have barcode labels and they are compatible with the barcode reader. Not all vendors' labels are readable by all libraries. Check that the barcode reader is configured and functioning properly, if necessary.

ANR8788W Unable to read the barcode of cartridge in slot-id Element number of slot in library library name; loading in drive to read label.

Explanation: The library barcode reader is unable to read the label of a tape cartridge. The cartridge is found in the slot with the given element number.

System action: The cartridge is loaded into a drive and its label will be read from the tape.

User response: Cancel the process if you do not want to load any cartridges into the library's drives. Examine the cartridge to ensure it has a barcode label and that it is compatible with the barcode reader. Not all vendors' labels are readable by all libraries. Check that the barcode reader is configured and functioning properly, if necessary.

ANR8791E Unable to move device type volume volume name to another drive.

Explanation: Dynamic drive recovery was being attempted on the volume, but was unable to move the volume to another drive.

System action: The originating process terminates.

User response: See previous error messages to determine the cause of the DDR failure, and correct the problem. If the problem is an unreadable label, any data on the volume may be lost.

ANR8792E Unrecoverable drive failures on drive drive name; drive is now marked offline.

Explanation: The drive has been determined to be faulty because of recurrent failures.

System action: The drive is now marked offline.

User response: Service the drive for failures. Delete and redefine the drive to bring it back online.

ANR8793E Dynamic drive recovery failed for device type volume volume name because not enough drives are available.

Explanation: To recover a volume on another drive, there must be at least one other drive available that is not associated with the transaction which is driving the recovery. In addition, the maximum number of drives that can have dynamic drive recovery performed at the same time is one less than the number of drives. This is to prevent deadlock from occurring between two recovering transactions. One of these criteria has failed.

System action: No DDR is performed and the transaction fails.

User response: Restart the transaction.

ANR8794E Retry of operation name operation failed for device type volume volume name.

Explanation: After successfully mounting the volume on another drive, due to an I/O error, the original operation fails when retried.

System action: No further recovery is performed and the transaction fails.

User response: Restart the transaction.
ANR8795I Retry of operation name operation for device type volume volume name is successful.

Explanation: After mounting the volume on another drive, due to an I/O error, the operation is tried successfully.

System action: The transaction continues from the point of interruption from the failure.

User response: None.

ANR8796W Drive drive name of library library name is not online; UPDATE DRIVE required.

Explanation: During the initialization of a library, the server finds that the drive was updated to be offline.

System action: The drive will not be accessible by the library during tape operations.

User response: The drive may be made online by issuing the UPDATE DRIVE command with the ONLINE=YES option.

ANR8797W command: Drive drive name of library library name is inaccessible.

Explanation: The server is unable to use the mentioned drive. This may be for the following reasons:

v The drive cannot be opened.

v In the case of a 3494 or a library that can be partitioned, the drive may be unavailable to the library manager, may be in use by another application, or may be loaded with a cartridge not labeled for server use.

System action: The drive is temporarily made offline and is not used for tape operations. The server polls the drive at one-half minute intervals to check if the condition has cleared. Once the drives is accessible again, the drive is brought online.

User response: Determine the reason the drive is inaccessible, such as hardware errors reported in the system logs. Render any needed corrections to the drive. The drive will be brought online automatically when the polling process detects that is has become accessible.

ANR8798W Drive drive name in library library name is busy; some transactions may fail.

Explanation: The drive being made offline is currently mounted with an open tape volume. If the transaction using the volume requires subsequent tape mounts and is unable to acquire a drive, the transaction will fail.

System action: If this tape volume is one of a sequence of volumes that are required to process a transaction, a drive must be available for each mount.

This may be any drive in the library, but if all other library drives are currently busy and are still busy at the time the new tape must be mounted, the transaction will fail.

User response: If possible, make the drive online until the transaction using it ends. If there is an idle volume on the drive, dismount the volume first.

ANR8799I Command: Operation for library library name started as process process ID.

Explanation: A LABEL process has been started to write the label on the specified volume in the given library. The process is assigned the ID specified in the message.

System action: The server starts a background process to perform the operation in response to the LABEL command entered by an administrator.

User response: To obtain status on the process, issue the QUERY PROCESS command. The process may be canceled with the CANCEL PROCESS command.

ANR8800I LABEL LIBVOLUME for volume volume name in library library name completed successfully.

Explanation: The background process to LABEL a volume has succeeded.

System action: The volume's label has been rewritten.

User response: None.

ANR8801E LABEL LIBVOLUME process process Id for library library name failed.

Explanation: The Label process terminated with a failure.

System action: The process ends.

User response: See previous error messages to determine the cause of the failure, and correct the problem.
ANR8803I  LABEL VOLUME process processId for library libraryName has been canceled; count of labeled volumes volume(s) labeled, count of checked in volumes volume(s) checked-in.

Explanation: A background server process that has been working to label the volumes for the given library is canceled by the CANCEL PROCESS command. The counts provided are for any volumes processed prior to the cancel.

System action: The server process is ended and server operation continues.

User response: None.

ANR8804I  Labeling volume volumeName in library libraryName.

Explanation: In response to a QUERY PROCESS command, this message displays the status for a LABEL process on the server.

System action: The background process continues.

User response: None. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.

ANR8805I  Labeling volumes in library libraryName; volume count volume(s) labeled.

Explanation: In response to a QUERY PROCESS command, this message displays the status of a LABEL process with the SEARCH option.

System action: The background process continues.

User response: None. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.

ANR8806E  Could not write volume label volumeName on the tape in library libraryName.

Explanation: The Label process could not write the label on the tape specified.

System action: For a LABEL operation with SEARCH=YES, the background process continues to the next volume. For an individual volume, the process ends. The volume is not labeled and is not checked into the library.

User response: Make sure the library and drive devices associated with this command are powered on and ready, and then reissue the command.

ANR8807W  Could not write label volumeName on the volume in drive driveName of library libraryName because volume is already labeled existing volumeName.

Explanation: The check in or label process could not write the label on the tape specified because the volume is already labeled.

System action: The check in process will not overwrite volumes that are already labeled, and the label process will only overwrite volumes when OVERWRITE=YES is specified. The volume is not labeled and cannot be checked in to the library. If SEARCH=YES, the process continues to the next volume. For an individual volume, the process ends.

User response: Reissue the command with the correct parameters.

ANR8808E  Could not write label labelName on the volume in drive driveName of library libraryName because that volume is already labeled with volumeName which is still defined in a storage pool or volume history.

Explanation: An attempt was made to overwrite the label of a volume that is still defined to a storage pool or is still found in the volume history file. Such a volume may still contain valid data.

System action: The server process is ended and server operation continues.

User response: It is usually not necessary to re-label volumes. If the volume must be relabeled, that volume must first be removed from the storage pool or volume history file where it is defined.

ANR8809I  Request number: Please provide the label name for the volume in slot element slotElementNumber of library libraryName by issuing REPLY n LABEL=xxx within timeLimit minutes, where n is the request ID and xxx is the desired label name.

Explanation: A LABEL LIBVOLUME command is in progress, and the name of the next volume is needed.

System action: The server waits until a REPLY command is issued.

User response: Issue a REPLY command, along with the request ID, and the volume name for the next cartridge.

ANR8810I  Volume volumeName has been labeled in library libraryName.

Explanation: The Label process with the search option has found and labeled a volume.

System action: The process ends.
ANR8811E Command: The LABELSOURCE parameter is required when using SEARCH with this command.

Explanation: The LABELSOURCE parameter must be provided with the given command.

System action: The command is not processed.
User response: Reissue the command, and provide a valid LABELSOURCE parameter value.

ANR8812E Command: The SEARCH parameter is required when using LABELSOURCE with this command.

Explanation: When using the LABELSOURCE option with this command, the SEARCH parameter must be also provided.

System action: The command is not processed.
User response: Reissue the command, and provide a valid SEARCH parameter value.

ANR8813W Unable to read the barcode of cartridge in slot element Element number of slot in library library name.

Explanation: The library barcode reader is unable to read the label of a tape cartridge. The cartridge is found in the slot with the given element number.

System action: When LABELSOURCE=BARCODE is specified on the LABEL LIBVOLUME command, volumes without a barcode cannot be labeled. When the VOLRANGE or VOLLIST option is specified on the CHECKIN LIBVOLUME command, volumes without a barcode cannot be checked in.

User response: Examine the cartridge to ensure it has a barcode label and that it is compatible with the barcode reader. Not all vendors' labels are readable by all libraries. Check that the barcode reader is configured and is functioning properly, if necessary.

ANR8814I Remove volume Volume name from slot element Slot element number of library Library name.

Explanation: LABEL LIBVOLUME has ended for the specified volume and that volume must be removed from the library because either it was not checked in or there was an error.

System action: The server continues normal operation.
User response: Remove the specified volume from the library.

ANR8815I Remove volume Volume name from port element Port element number of library Library name.

Explanation: LABEL LIBVOLUME has ended for the specified volume and that volume must be removed from the library because either it was not checked in or there was an error.

System action: The server continues normal operation.
User response: Remove the specified volume from the library.

ANR8816E command: Volume Volume name in library Library name cannot be labeled because it is currently defined in a storage pool or in the volume history file.

Explanation: During command processing, a volume cannot be used because there is a storage pool volume defined or a volume in the volume history file with this volume name. Such a volume may still contain valid data. Applying the volume name to the cartridge can overwrite data and or cause library inventory corruption. If the volume is in the volume history file, it has been previously used by for an export, database dump, database backup operation, or by a library client (as recorded in the volume history).

System action: If the SEARCH=YES option was specified, the current volume is skipped and command processing continues with the next volume found. If SEARCH=NO was specified, command processing terminates.

User response: If the volume is present in an automated library, it should either be removed or checked into the library's inventory in the PRIVATE category.

ANR8817E Name length for volume "Volume name" invalid; max is Maximum name length.

Explanation: During LABEL LIBVOL processing, the volume name provided to be written on the label exceeds the maximum length for the type of cartridge.

System action: The label process fails for that cartridge.
User response: Reissue the LABEL LIBVOL command and provide a volume name that is not longer than the maximum listed.

ANR8818E I/O Error on library library name; request for op. operation/function to the 3494 Library Manager has timed out.

Explanation: A command for the operation was issued to the Library Manager and a response was not received within the maximum timeout period.

System action: The operation and the transaction fails.
Verify that communications with the library is operational, that it is online and ready for commands. Increase the time-out limit of the Library Manager Control Point device driver. If the problem persists, provide your service representative with the 3494 Library Manager transaction logs.

Unable to read the barcode label(s) in library library name.

Explanation: A LABEL command was issued with the LABELSOURCE=BARCODE option. The library was unable to detect that the cartridges had valid barcode labels or the library did not have a barcode reader. If a barcode reader is present the reader might be disabled or it is unable to read the labels.

System action: Examine the cartridges to ensure they have barcode labels and they are compatible with the barcode reader. Not all vendors’ labels are readable by all libraries. Check that the barcode reader is configured and functioning properly.

User response: None.

Repairing VCR data for Volume volume name in drive drive name; dismount may be delayed.

Explanation: The Vital Cartridge Records of the cartridge in the drive are lost or corrupted, which results in the inability of the drive to do fast locates to file positions on the cartridge. The VCR is being rebuilt during the volume dismount process in order to avoid performance degradation on future mounts of the volume.

System action: The server continues the dismount operation. There may be a long delay because the VCR is rebuilt by spacing the tape forward to the end-of-data.

User response: None.

Barcode of element slot element address, 'hardware barcode string', exceeds maximum length characters in length.

Explanation: A barcode is encountered that was longer than a valid volume name.

System action: The barcode is not considered valid and will not be used for the server process.

User response: Replace the cartridge’s barcode with one that is supported by the library and whose number of characters does not exceed the maximum length.

'Volume name' is not a valid volume name.

Explanation: The specified string is not a valid volume name.

System action: The program prompts for a new volume name.

User response: Enter a volume name that is within the length constraints for the media type being labeled, and which contains only alphanumeric characters.

Hardware configuration error in library library name: number of drives drives, number of storage slots storage slots.

Explanation: The library device returned a count of zero for either the drives or the slots. The drives may have not yet been configured to the operating system, or to the library. The library must have at least one drive and multiple slots when properly configured in order to be defined to the server.

System action: The operation fails.

User response: Configure the drives to the operating system, and reinitialize the library.

I/O Error on library library name; request request id for operation operation/function to the 3494 Library Manager been lost.

Explanation: A command for the operation was issued to the Library Manager and a response was not received within the maximum timeout period.

System action: The operation and the transaction fails.

User response: Verify that communications with the library is operational, that it is online and ready for commands. If the problem persists, provide your service representative with the 3494 Library Manager transaction logs and the request id from the failed operation.

'Volume range' is not a valid volume range.

Explanation: The specified string is not a valid volume range.

System action: The program prompts for a new volume range.

User response: Enter the volume names in the range that is within the length constraints for the media type being labeled, and which contains only alphanumeric characters. The volume names of the beginning and ending volume must be the same in length and the increamentals must be in digits.

No Entry/Exit found on library library name.

Explanation: A CHECKIN LIBVOLUME SEARCH=BULK command was issued on a library that has no Entry/Exit ports.

System action: None.
ANR8827E  No Entry/Exit port is available on library library name.

Explanation: A CHECKOUT LIBVOL command was issued on a library where all its Entry/Exit Ports were found to be full or inaccessible.

System action: None.

User response: Empty all the entry/exit ports on the library, close the entry/exit port door, make sure the ports are accessible, and try the command again.

ANR8828E  Slot element number of library library name is inaccessible.

Explanation: The slot in the library could not be physically accessed at this time.

System action: None.

User response: Verify that the Entry/Exit door is closed and the device has not logged any device errors before trying the command again.

ANR8829I  Remove volume volume name from slot element number of library library name at your convenience.

Explanation: A volume has been checked out from the library and placed in a multiple entry/exit port library. The volume needs to be removed from the library, but the operation is not critical.

System action: None.

User response: Remove the volume from the entry/exit slot.

ANR8830E  Internal Device type drive diagnostics detect excessive media failures for volume Volume name (MIM MIM Code).

Access mode is now set to "read-only".

Explanation: The tape drive's microcode performed an analysis of the media during the prior mount of the volume and determined that the number of temporary errors and other indicators exceed the threshold for reliable data recording.

System action: The volume is made read-only.

User response: Check system error logs for entries made by the device relative to media errors. It is recommended to move the data off the volume in order to minimize the impact of future errors and further damage to the media.

ANR8831W  Because of media errors for volume Volume name, data should be removed as soon as possible.

Explanation: Errors previously encountered on the volume leave the access to the data in a questionable state. The errors may be permanent temporary media failures such as the corruption of the Volume Control Region of a Magstar drive.

System action: None.

User response: Move the data off the volume. This can be done with the MOVE DATA command. In some cases the tape is reusable by returning it to scratch. Check system error logs for entries made by the device relative to media errors. If the errors cannot be isolated or resolved, contact your support representative. Return the tape to scratch or dispose of it.

ANR8832E  CHECKIN LIBVOLUME for volumes in search mode in library library name failed.

Explanation: The background process for a CHECKIN LIBVOLUME command has failed.

System action: The background process ends, but volumes have not been checked into the library.

User response: Make sure the library and drive devices associated with this command are powered on and ready, and then reissue the command.

ANR8833E  Command: Volume volume name in library library name is currently being checked in or checked out.

Explanation: The command cannot be processed because the specified volume is being checked in or checked out of the library.

System action: The command is not processed.

User response: Wait until the conflicting checkin or checkout has completed, and then reissue the command.

ANR8834E  Library volume volume name is still present in library library name drive drive name, and must be removed manually.

Explanation: Library operations cannot be performed using the drive because a volume is still mounted in it. This may be due to a prior dismount failure that occurred on the drive.

System action: The command fails. The drive may be taken offline.

User response: See previous error messages and the system error logs to determine the cause of the dismount failure or any other reason the volume would still be loaded in the drive. Hardware diagnostics may
be required. If necessary, remove the volume manually and place it in its storage cell. If the storage cell is unknown, place the volume in any cell and issue the AUDIT LIBRARY command. Use the QUERY DRIVE command to determine the online status of the drive. If the drive is still functioning, change the status with the UPDATE DRIVE command.

**ANR8835W**  
**Error returning volume volume name to scratch.**

**Explanation:**  
The server external library manager sent a RELEASE request to the external agent for the named volume, but the external agent was unable comply with the request. The server, however, marked the volume scratched in its inventory; consequently, the server inventory and the external agent inventory are not consistent. This message is issued to inform the customer that the external agent inventory must be made consistent with the server inventory using the facilities of the external agent.

**System action:**  
The server has returned the volume to scratch status.

**User response:**  
Consult the documentation for the external agent and take the appropriate action to make the agent inventory consistent with the server inventory.

**ANR8836E**  
**Function RSM_function failed in server_function processing, return return code, call call number.**

**Explanation:**  
The library function that uses the API to the Windows NT Removable Storage Manager failed with a return code from the API. The call number represents the exact API call issued in the program.

**System action:**  
The function fails.

**User response:**  
Use the RSM documentation to determine the source of the problem.

**ANR8837E**  
**RSM Library Library Name not supported on this Windows platform.**

**Explanation:**  
The libtype=RSM was used on a Windows platform that does not support RSM.

**System action:**  
The function fails.

**User response:**  
Use another library type to define the library.

**ANR8838E**  
**I/O error on drive drive name: excessive unit attentions received from device.**

**Explanation:**  
An operation to the drive failed with a device unit attention. These are normally cleared when the operation is retried, but in this case subsequent recover and retry attempts persistently fail with unit attention. This indicates a device failure.

**System action:**  
The operation fails.

**User response:**  
See accompanying error messages and the system error logs to determine any reason for the drive failure. Hardware diagnostics may be required. It may be necessary to manually unload the volume and mark the drive offline with the UPDATE DRIVE command.

**ANR8839W**  
**Drive drive name of library library name is accessible.**

**Explanation:**  
The server is now able to use the mentioned drive that was inaccessible. However, the administrator has marked the drive offline while the drive was being polled.

**System action:**  
The drive is left offline and is not used for tape operations.

**User response:**  
Issue the UPDATE DRIVE command to bring the drive back online.

**ANR8840E**  
**Unable to open device device name with error number error number and PVRRC return code.**

**Explanation:**  
The library is not accessible. As a result, an open request failed. This in turn causes the pending request to fail.

**System action:**  
A drive is marked inaccessible. The server polls the drive to determine if both the library and drive are inaccessible. In most case, the library had a temporary failure and recovers. When the server determines that the library is available, the drive is brought back on-line.

**User response:**  
Use the error number in conjunction with operating system documentation to narrow the scope of the cause. Inspect the library. Ensure that the library is powered on and ready, that the cables are properly connected, and that the device is properly configured to the system.

**ANR8841I**  
**Remove volume from slot element number of library library name at your convenience.**

**Explanation:**  
A volume has been placed in a multiple entry/exit port library because the volume should be placed back in the entry/exit port as result of the successful completion of a server command, or there was a problem during a server command. The volume needs to be removed from the library, but the operation is not critical.

**System action:**  
None.

**User response:**  
Remove the volume from the entry/exit slot. Examine previous messages for additional information regarding the specified volume and the command.
ANR8842E  The device type drive detected a marginal sector and could not reallocate the sector for volume volume name.
Access mode is now set to "read-only".

Explanation: The optical drive detected a marginal sector (media error) while reading the volume. The drive read the sector successfully but could not reallocate the sector because of a previous media error.

System action: The volume is made read-only.

User response: Check system error logs for entries made by the device relative to media errors. It is recommended to move the data off the volume in order to minimize the impact of future errors and further damage to the media.

ANR8843E  Initialization failed for library type library library name - the library will be inaccessible.

Explanation: The initialization process for the given library has failed. The server is unable to use the library. This may be for the following reasons:
- The library is defined without a path.
- The device for the library is removed by a delete PATH command.
- The data mover controlling the library is offline.
- The path to the library is offline.

System action: The library is made offline and will not be used for any library operations.

User response: Determine the reason the library is inaccessible. Render any needed corrections to the library, shut down the server, and re-bring up the server so that the library can be completely initialized.

ANR8844E  Unable to open remote drive drive name, error code=error value from server plugin.

Explanation: The indicated remote drive cannot be opened by the server. The error code displayed is the return code from server plugin routine.

System action: The transaction needing the drive fails.

User response: Use the return code displayed to determine the cause of the open failure or any other reason the drive cannot be opened. Hardware diagnostics may be required. Inspect the drive. Ensure that the drive is powered on and ready, the cables are properly connected and terminated, and the device is properly configured to the operating system.

ANR8845E  Loadable module module name is required for remote operation.

Explanation: The indicated loadable module is required by the server to perform an operation on a remote drive or library, but the module has not loaded.

Message ANR4726I is issued during server initialization when the module is loaded.

System action: The remote operation fails.

User response: Check the server activity log for error code=error value from server plugin routine.

ANR8846E  Volume volume name is assigned to a category that does not belong to library library name.

Explanation: The attempted operation on the volume cannot proceed because it is assigned to a category other than the insert, private, or scratch category used by the library.

System action: The attempted operation is terminated.

User response: Use the mtlib utility to query the volume’s category. If the volume is not in use by another library, use mtlib to reassign the category or choose another volume that is assigned to the proper category.

ANR8847E  No device type type drives are currently available in library library name.

Explanation: The attempted operation cannot be completed on the specified library because there are no available drives of the specified type. A drive may be unavailable because a different application has the drive opened. This message may also be issued if a CHECKIN or LABEL command is issued and no drive is available to service the operation. This can be because all the drives are mounted by other processes or sessions, or the device type was incorrectly specified.

User response: Use the QUERY DRIVE command to check the online status of the drives. Drives that are marked "Unavailable since hh:mm yy/mm/dd" are drives taken offline by the server at the time specified because of hardware failures or the inability to open the drive. If the attempted operation is a CHECKIN or LABEL command, use the QUERY MOUNT command to determine if all the drives in the library are mounted and wait until one of these is available. If there are mounted volumes with an IDLE status, use the DISMOUNT VOLUME command to free its drive, and retry the original operation. Finally, the DEVTYPE parameter is required for CHECKIN and LABEL commands specifying 3590 volumes in a 349X library that also contains 3490 drives. This is because this library also supports 3490 volumes, and the default
device type on CHECKIN and LABEL commands is CART (3490).

**ANR8848W**  Drive drive name of library library name is inaccessible; server has begun polling drive.

**Explanation:** The server is unable to use the mentioned drive. This may be for the following reasons:
- The drive cannot be opened
- In the case of a 3494 or a library that can be partitioned, the drive may be unavailable to the library manager, may be in use by another application, or may be loaded with a cartridge not labeled for server use.

**System action:** The drive is temporarily made offline and is not used for tape operations. The server polls the drive at one-half minute intervals to check if the condition has cleared. Once the drive is accessible again, the drive is brought online.

**User response:** Determine the reason the drive is inaccessible, such as hardware errors reported in the system logs. Render any needed corrections to the drive. The drive will be brought online automatically when the polling process detects that it has become accessible.

**ANR8849E**  Command: There is already a request to delete drive drive name.

**Explanation:** The designated drive cannot be deleted or updated because there is a request to delete the drive already.

**System action:** The command is not processed.

**User response:** None.

**ANR8850I**  ACSLS library library name is ready for operations.

**Explanation:** The initialization process for the given library has completed successfully, and the library is ready for use.

**System action:** The library is made ready for use.

**User response:** None.

**ANR8851E**  Initialization failed for ACSLS library library name; will retry in delay time minutes.

**Explanation:** The initialization process for the given library has failed. It is retried automatically after the specified amount of time has elapsed.

**System action:** The initialization will be retried later.

**User response:** Ensure that the library device is powered on and ready.

**ANR8852E**  Initialization failed for ACSLS library library name.

**Explanation:** The initialization process for the given library has failed and will not be retried until the next time the server needs to access the library.

**System action:** The library is made temporarily unavailable.

**User response:** None.

**ANR8853E**  Incompatible options CHECKLABEL=NO and SEARCH=YES for ACSLS libraries.

**Explanation:** The CHECKLABEL=NO and SEARCH=YES parameters on the CHECKIN LIBVOL command are not compatible.

**System action:** The command fails.

**User response:** Reissue the CHECKIN LIBVOL command and specify CHECKLABEL=YES.

**ANR8854E**  ACSAPI(command name) invocation failed, status=acs status.

**Explanation:** The ACSLS library API invocation for the given command failed.

**System action:** Depends on the server function and command, library may be unavailable.

**User response:** Contact your ACS System Administrator and perform ACSLS library problem determination.

**ANR8855E**  ACSAPI(command name) response with unsuccessful status, status=acs status.

**Explanation:** The ACSLS library API responded with an unsuccessful status as indicated.

**System action:** Depends on the server function and command, library may be unavailable.

**User response:** If the status indicates STATUS_CAP_IN_USE, it might be CAP priorities not set to non-zero. It might also be CAPs are not set to automatic mode, or CAPs are in manual mode during manual checkin. If CAP mode and priorities are set correctly, contact your ACS System Administrator and perform ACSLS library problem determination.

**ANR8856E**  ACSAPI sequence(sequence number) request (request number) timed out, elapse time=hours minutes seconds.

**Explanation:** The ACSLS client has received no response from the ACSLS server for the period as indicated in the elapsed time. The ACSLS library API function with the associated sequence number is canceled if the request number is non-zero.
System action: Depends on the server function and command, library may be unavailable.

User response: Contact your ACS System Administrator and perform ACSLS library problem determination.

ANR8857I ACS access control set to user_id - user_id, status=acs status.

Explanation: The ACSLS ACCESSID structure for command and volume access control is set the user_id as indicated.

System action: None.

User response: Ensure the indicated user_id is the same as specified in the environment variable ACSAPI_USER_ID.

ANR8858W Unable to lock drive drive_id, drive_id, drive_id, drive_id, status=acs status.

Explanation: The ACSLS library function acs_lock_drive failed for the specified drive.

System action: Depends on the server function and command, library drive may be unavailable. or may be temporary unavailable in a shared library environment.

User response: Contact your ACS System Administrator and perform ACSLS library problem determination if the problem persists.

ANR8859W Unable to lock volume volume_id, status=acs status.

Explanation: The ACSLS library function acs_lock_volume failed for the specified volume.

System action: None.

User response: Determine the volume status from the ACSSA and re-issue the command if necessary.

ANR8861I Unlocking library library_name volumes from the ACSLS server.

Explanation: The volumes of the specified library are being unlocked from the ACSLS server.

System action: None.

User response: None.

ANR8862I ACSLS library library_name is being re-initialized.

Explanation: The specified ACSLS library is being re-initialized.

System action: The operation continues. The process may take a while depends on the number of volumes in the library.

User response: None.

ANR8863I Volume volume_name bypassed for command, status=acs status.

Explanation: The specified ACSLS volume is about to put into CAP for removal. Monitor the ACSSA console and removed the volume after it has been placed into the CAP as indicated in the ACSSA message.

System action: None.

User response: Monitor the ACSSA console and wait.

ANR8865W Volume volume_id is already locked by user_id.

Explanation: The specified volume is already locked by other user or has a different lock id.

System action: Depends on the function, the volume maybe bypassed or the process maybe terminated.

User response: Determine the volume status from the ACSSA and re-issue the command if necessary.
ANR8866E  Incompatible option REMOVE=BULK for ACSLS libraries.

Explanation:  The REMOVE=BULK option is not supported for ACSLS libraries. The final response of ACSAPI acs_eject does not return to the application until the volume is removed from CAP.

System action:  The command fails.

User response:  Reissue the CHECKOUT LIBVOL command and specify REMOVE=YES or NO.

ANR8867I  Processing volume volume id for the command command.

Explanation:  The specified volume is being processed for the specified command.

System action:  The command process continues.

User response:  None.

ANR8868E  Ejecting Volume volume name Failed, status = acs_status.

Explanation:  The volume is failed to be ejected from the library due to the status as indicated.

System action:  The operation continues.

User response:  Determine the volume status from the message and do something as needed.

ANR8869E  Command: There is already a request to update drive drive name.

Explanation:  The designated drive cannot be deleted because there is a request to update the drive already.

System action:  The command is not processed.

User response:  None.

ANR8870E  The path to the library library name is unavailable.

Explanation:  There is no path to the given library, or the path to the library is offline, or the source entity of the path to the library is offline.

System action:  The library is inaccessible.

User response:  Ensure that a path is defined to the library. If there is path defined to the library, make sure the path is online and the source entity of the path is also online.

ANR8871E  The device name device name specified has been changed to device name.

Explanation:  The specified device name on the DEFINE PATH or UPDATE PATH command has been changed to recommended device name.

System action:  The command process continues.

ANR8872E  No path is available for drive drive name - could not unload volume volume name from drive.

Explanation:  There is no path to the given drive or the path to the drive is offline or the source of the path to the drive is offline. The indicated volume may be still on the drive.

System action:  The drive is inaccessible.

User response:  Ensure that a path is defined to the drive. If there is a path defined to the drive, make sure that the path is online and that the source of the path is also online. Run the AUDIT LIBRARY command after the problem is corrected.

ANR8873I  The path from source source name to destination drive name is taken offline.

Explanation:  There is problem using the indicated path. The path is now marked offline.

System action:  The path is inaccessible.

User response:  Determine the reason the path is inaccessible, such as hardware problem. Render any needed corrections. Then, the path may be made online by issuing the UPDATE PATH command with the ONLINE=YES option.

ANR8874E  The type of device used by the media in element element number of library library name cannot be determined by the hardware. Volume is not processed.

Explanation:  The library's mechanism for determining the type of media in a slot or EE port failed. This is usually the barcode reader or some other sensor that is part of the robotics.

System action:  The volume is skipped by the process.

User response:  Determine the reason the library could not determine the media type, such as deteriorated barcode, scanner failure, or other hardware problem as determined by system engineer. If the barcode label is replaced on a private volume containing data, it must be with a label having the volume name. Scratch volumes or empty private volumes can be replaced with any barcode but they must be re-labeled if the barcode name changes.

ANR8875E  An illegal move was attempted involving the media in element element number of library library name. Its type is incompatible with the destination element element number.

Explanation:  The server tried to move one type of volume into a drive or slot of another type that is
incompatible. This is most likely because another volume has taken its slot, or the server's information for this volume has otherwise been corrupted.

**System action:** The process fails.

**User response:** Issue the AUDIT LIBRARY command, and retry the operation.

**ANR8876E** The media in element element number of library library name is a cleaner.

**Explanation:** The library hardware has determined that the media in the stated slot is a cleaner cartridge. It cannot be processed by the CHECKIN command without the STATUS=CLEANER parameter, and it cannot be labeled by the LABEL command.

**System action:** The process skips the media, or if it is the only media being processed the process fails.

**User response:** Issue the AUDIT LIBRARY command, and retry the operation.

**ANR8877E** Volume volume name is incompatible type with device class devclass name in library library name.

**Explanation:** An attempt has been made to service a mount request, but the attempt fails because the media type of the cartridge being mounted is not compatible with the devclass requesting the mount. This is usually a conflict between WORM and Read-Write characteristics.

**System action:** The operation fails.

**User response:** If this is not a 3592 device or media, the volume was probably not checked in with the CHECKLABEL=YES parameter of the CHECKIN command. Check the volume out (the REMOVE=NO may be useful) and check the volume back into the library with this parameter to ensure that the mediatype is determined and saved. If this is a 3592 device or media, the volume probably has an incorrect barcode label indicating that it had the wrong WORM property. The label needs to be swapped for the opposite WORM type (e.g. WORM to non-WORM or non-WORM to WORM) or simply removed entirely from the library.

**ANR8878E** Failed to close the remote library library name (device name).

**Explanation:** An attempt to close a remote Library device attached to a NAS File Server failed.

**System action:** The operation fails.

**User response:** Examine previous messages for additional information regarding the specified library.

**ANR8880W** Device type of drive Drive name in library Library name was determined to be GENERIC_TAPE.

**Explanation:** The device type of a drive is determined when the path for that drive is defined. If the wrong device file was used in the device parameter of DEFINE PATH the device type of the drive will often be GENERIC_TAPE. If you are using the TSM device driver or the IBM Tape device driver, then you should not have a device type of GENERIC_TAPE. You should only have a device type of GENERIC_TAPE if you are using the native OS device driver.

**System action:** None.

**User response:** Verify that GENERIC_TAPE is the desired device type for this drive. While the device type GENERIC_TAPE is valid, it is often a mistake, and thus, should be verified that it is the intended device type. If GENERIC_TAPE is not the intended device type, all paths for this drive and the drive itself will have to be deleted and redefined.

**ANR8881W** Insufficient space for new volume in directory directory for device class device class name.

**Explanation:** The server found that the indicated directory had insufficient space in which to create a new volume.

**System action:** Other directories available to the device class are used, if any. If no directories with space are available, the operation fails. This message is issued periodically as requests are made for space in this directory.

**User response:** The file system must be expanded to accommodate volume growth.

**ANR8882I** Request number: Please provide the label name for the volume in drive drive name of library library name by issuing REPLY n LABEL=xxx within time limit minutes, where n is the request ID and xxx is the desired label name.

**Explanation:** A mount is in progress with AUTOLABEL, and the name of the volume is needed.
ANR8883W  The server waits until a REPLY command is issued.

User response: Issue a REPLY command, along with the request ID, and the volume name for the cartridge.

ANR8883W  The volume volume name in slot element number is in the library library name but not in the TSM's inventory database. Please either check in this volume or remove it from the library.

Explanation: The library configuration appears to have changed. Verify that no other management interfaces are modifying the library inventory.

System action: None.

User response: Examine previous messages for additional information regarding the specified volume and the command that was issued. Retry the operation. It may be necessary to audit the library using the AUDIT LIBRARY command.

ANR8884W  Attempted to label a written WORM medium in the drive drive name with volume volume name (OP=internal code, Error Number=internal code, CC=internal code, KEY=internal code, ASC=internal code, ASCQ=internal code, SENSE=sense data, Description=error description). Refer to the Tivoli Storage Manager documentation on I/O error code descriptions.

Explanation: An I/O error has occurred while labeling on the written WORM medium.

System action: The operation fails.

User response: Reissue the CHECKIN LIBVOL command and include the parameter, CHECKLABEL=BARCODE (with SEARCH=YES specified), or include the parameter CHECKLABEL=NO (with the required volume name specified in the CHECKIN command).

ANR8901E  Command: Incompatible options STATUS=CLEANER and CHECKLABEL=YES.

Explanation: Cleaner cartridges do not have internal labels that can be checked by loading them into the drive.

System action: The command fails.

User response: Reissue the CHECKIN LIBVOL command and include the parameter, CHECKLABEL=BARCODE (with SEARCH=YES specified), or include the parameter CHECKLABEL=NO (with the required volume name specified in the CHECKIN command).

ANR8902W  Unable to read the barcode of cleaner cartridge in slot-id Element number of slot in library library name; cleaner not checked in.

Explanation: The library barcode reader is unable to read the label of a cartridge that is checked in as a cleaner. The cartridge is found in the slot with the given element number.

System action: The cartridge is not checked in. If the library is being searched, the checkin process continues with the next volume.

User response: Examine the cartridge to ensure it has a barcode label and that it is compatible with the barcode reader. Not all vendors' labels are readable by all libraries. Check that the barcode reader is configured and is functioning properly. The cleaner cartridge can be checked in without use of the barcode label by issuing the CHECKIN LIBVOL command.

ANR8903E  Command: Missing CLEANINGS parameter for cleaner cartridge checkin.

Explanation: When checking in a cleaner cartridge, the CLEANINGS parameter is required.

System action: The command fails.
User response: Reissue the CHECKIN LIBVOL command and specify a value for the CLEANINGS parameter which is used to determine the number of times a cleaner can be mounted to clean a drive.

ANR8904I Command: Cleaning operation for drive drive name in library library name started as process process ID.

Explanation: A command-driven process is started to clean the specified drive. The process is assigned the ID that is in the message.

System action: In response to the CLEAN DRIVE command that is issued by an administrator, the server starts a background process to perform the operation.

User response: To obtain status on the process, issue the QUERY PROCESS command. The process may be canceled with the CANCEL PROCESS command.

ANR8905I CLEAN DRIVE process for drive drive name in library library name is been canceled.

Explanation: A background server process is has been working to clean the specified drive and is canceled by the CANCEL PROCESS command.

System action: The cleaning process is ended.

User response: None.

ANR8906I Cleaning drive drive name in library library name.

Explanation: In response to a QUERY PROCESS command, this message displays the status for a CLEAN DRIVE process on the server.

System action: The drive is available for normal library operations.

User response: A cleaner should be checked in to the library by issuing the CHECKIN LIBVOL command.

ANR8907E CLEAN DRIVE for drive drive name in library library name failed.

Explanation: The background process for a CLEAN DRIVE fails.

System action: The background process ends, but the drive is not cleaned.

User response: Make sure the library and drive devices associated with this command are powered on and ready. Reissue the command.
ANR8912E Unable to verify the label of volume from slot-element element-address in drive drive name in library library name.

Explanation: The volume from the slot that is identified by the element address is loaded into a drive. The drive cannot be opened following the load. The label cannot be read to process the volume.

System action: The volume is stored, and processing continues with the next available slot.

User response: Check the system error logs for errors reported by the drive that are related to this volume. Make sure that the cartridge is not a cleaner cartridge that would have been loaded by mistake. If the cartridge is a cleaner, issue the QUERY LIBVOL command to get the correct storage slot for the cleaner and move the cleaner to that slot. If the cleaner is not in the library's inventory, use the CHECKIN LIBVOL to check the cleaner in. During Audit Library, remove the bad volume from the reported slot and run Audit Library again.

ANR8913I Drive drive name in library library name is currently busy; Cleaning flag is set and will be cleared when the drive has been successfully cleaned.

Explanation: A background process to clean the drive is unable to acquire the drive because the drive is busy.

System action: The background process operation completes. The drive cleaning flag is set and will be cleaned.

User response: None.

ANR8914I Drive drive name in library library name needs to be cleaned.

Explanation: The drive has returned indicating to the server that it needs to be cleaned.

System action: The server marks the drive to be cleaned. If the drive is enabled for server-managed cleaning, and a cleaner cartridge is checked into the library, the server will load the cleaner into the drive after the current volume is dismounted. See the DEFINE DRIVE and QUERY DRIVE commands for information on enabling server-managed cleaning. See the CHECKIN LIBVOL command for checking a cleaner into the library.

User response: None.

ANR8915I Cleaning cartridge cleaner name in library library name is near end of life; has cleanings left uses left.

Explanation: A cleaner cartridge is found and used, but its number of uses it has left is nearly exhausted.

System action: The cleaning operation continues.

User response: As the cleaner is used, monitor the number of cleanings that remain with the QUERY LIBVOL command. Remove the cleaner when all cleanings are exhausted. A new cleaner may be checked in so that the library is not left without a useful cleaner when the old cleaner is exhausted.

ANR8916I Drivemapping for drive Drive name in library library name on storage agent storage agent name defined.

Explanation: A drive mapping has been successfully defined for the specified drive.

System action: The drivemapping is defined and recorded in the database.

User response: None.

ANR8917I Drive mapping for drive Drive name in library library name on storage agent storage agent name updated.

Explanation: An UPDATE DRIVEMAPPING request has been successfully processed for the given drive.

System action: The server updates its information about the drive mapping.

User response: None.

ANR8918I Drive mapping for drive Drive name in library library name on storage agent storage agent name deleted.

Explanation: The drive mapping for the specified storage agent, library, and drive has been deleted successfully.

System action: The drive mapping is deleted.

User response: None.

ANR8919I Initialization and recovery has started for shared library library name.

Explanation: The shared library has started to initialize or recover to resynchronize the library manager and library client.

System action: None.

User response: This process should resynchronize all of the drives that are currently being used by this library client. This process might also start after a communication error or if the library client has not been able to verify drive status with the library manager.
ANR8920I  Initialization and recovery has ended for shared library library name.

Explanation: Initialization or recovery has ended the library manager and library client should be synchronized.

System action: None.

User response: The drives previously owned by the library client should now indicate they are free on the library manager. Verify this with the QUERY DRIVE command on the library manager. If ownership of the drives is still in question restart the library client and library manager.

ANR8921E  Unable to start library polling thread.

Explanation: Library sharing requires that this polling thread starts. This thread keeps the library manager and library client synchronized with regards to drive ownership. These thread are started when the library is defined or when the server is first initialized.

System action: None.

User response: Since the polling thread did not start, the user must restart the server in order for library sharing to correctly work. Failure to restart the server and get these polling services running can cause unusual results for library clients.

ANR8922I  A device class for library library name was not found.

Explanation: A library client request a mount operation to be performed by the library manager. The library manager is missing a device class definition for that library.

System action: None.

User response: Define a device class for the library using the DEFINE DEVCLASS command.

ANR8923I  Dismount failed because drive drive name in library library name is not currently owned by drive owner name.

Explanation: A library client attempted to dismount a drive that was not currently owned by the library client.

System action: None.

User response: None.

ANR8925W  Drive drive name in library library name has not been confirmed for use by server server name for over elapsed time seconds. Drive will be reclaimed for use by others.

Explanation: The library server was unable to contact the library client for the given interval to verify that the library client is still using the drive. At this point the error recovery logic of the library manager will reclaim the drive (including dismounting the client’s volume if possible) and allow other to use the drive.

System action: None.

User response: Verify that the library client with the above server name is still running. Verify that the sessions have not been disabled and the network is still working between the two host machines. Verify that the server definition (QUERY SERVER) on both the library manger and the library client are correct.

ANR8926W  An Error was encountered while confirming the use of drive drive name in shared library library name.

Explanation: The library client was unable to confirm the usage of the drive to the library manager.

System action: None.

User response: Verify that the sessions have not been disabled and the network is still working between the two host machines. Verify that the server definition (QUERY SERVER) on both the library manger and the library client are correct.

ANR8927W  This library client has been unable to contact the library manager for elapsed time seconds. Releasing ownership of all drives in the shared library library name.

Explanation: The library client was unable to confirm the usage of the drive with the library manager. The library client will now dismount all volumes that it currently owns.

System action: None.

User response: Verify that the sessions have not been disabled and the network is still working between the two host machines. Verify that the server definition (QUERY SERVER) on both the library manger and the library client are correct.

ANR8928W  Library library name specified for shared file device class device class name was not defined as shared. The device class will not be shareable unless the library is updated.

Explanation: A pre-existing library was specified for a new shared file device class. However, files in the device class cannot be shared unless the library is also shared.

System action: None.

User response: Issue the UPDATE LIBRARY libname SHARED=YES command to make the library shared.
ANR8929E  Library library name specified for shared file device class device class name was not defined as a FILE library.

Explanation:  A pre-existing library was specified for a new shared file device class. However, the existing library was not created with the LIBTYPE=FILE parameter.

System action:  None. The device class is not created.

User response:  Specify a library name that was created with the LIBTYPE=FILE and SHARED=YES parameters, or specify a library name which does not exist, in which case, the library will be created. You can also not specify the LIBRARY parameter, a library name will be created.

ANR8930W  An attempt to define drives to create drives failed for library library name. The device class has a mount limit of mount limit but the number of drives in the associated library is less than the mount limit.

Explanation:  When a shared device class is created or updated, an attempt is made to define additional file drives in the associated library up to the mount limit, if the number of drives is less than the mount limit. One or more failures occurred in defining additional drives. The number of drives does not correspond to the mount limit for the associated device class. This can cause resource balancing problems between the server and storage agents.

System action:  The server continues operation.

User response:  Use the DEFINE DRIVE command along with the LIBTYPE=FILE to define additional drives in the file device class to match the mountlimit of the associated device class. This can cause resource balancing problems between the server and storage agents.

ANR8931W  An attempt to delete drives to delete drives failed for library library name. The device class has a mount limit of mount limit but the number of drives in the associated library is greater than the mount limit.

Explanation:  When a shared device class is updated and the number of drives in the associated library is greater than the mount limit of the device class, an attempt is made to delete drives so that there are as many drives as the mount limit. One or more failures occurred in deleting drives. The number of drives does not correspond to the mount limit for the associated device class. This can cause resource balancing problems between the server and storage agents.

ANR8932W  The drive map for server servername, library library name, drive name drive name has directory directory which is different than other drive maps for drives within the same library.

Explanation:  A shared file was about to be created. In doing so, it was determined that there are differing definitions for the directories associated with the drive maps between the indicated drive map and other drive maps for drives in the same library. This could cause data to be written in unanticipated locations or may prevent data from being written.

System action:  The server continues operation using the indicated directory.

User response:  Use the UPDATE DRIVEMAP command to update any incorrect directory entries.

ANR8933W  File volumename in library library does not exist in the expected directory.

Explanation:  A FILE volume was being dismounted from a file drive. The file does not exist in the directory in which it was expected to be found.

System action:  The server continues operation.

User response:  It is possible that a drive mapping is incorrect and that a storage agent is using a valid, but different directory than that of the server. In this case, the storage agent can access the file, but the server cannot. Use the QUERY PATH command with the F=D parameter to list the directories associated with drive maps for drives in the indicated library and ensure that the directories are correct and identical. Use the UPDATE PATH command to update any incorrect directory entries.

ANR8934W  File volumename in library library associated with device class device class could not be inserted into the library inventory.

Explanation:  A FILE volume was being inserted into the library inventory. The file was not found in the
System action: The server continues operation.

User response: It is possible that a drive mapping is incorrect and that a storage agent is using a valid, but different directory than that of the server. In this case, the storage agent can access the file, but the server cannot. Use the QUERY DRIVEMAP command with the F=D parameter to list the directories associated with drive maps for drives in the indicated library and ensure that the directories are correct and identical. Use the UPDATE DRIVEMAP command to update any incorrect directory entries. To move the file into the correct directory, use the Windows move command or the Unix mv command, depending on your platform.

ANR8935E  A compatible device class for shared library library name on server server name was not found.

Explanation: The library client server has a device class definition that is not compatible with the device class definition on this server. The device type and recording format need to be the same on both servers or one of the servers can have a device type of generic tape.

ANR8936W  The path conversion of drive drive name in library library name with device name device name failed. UPDATE DRIVE required.

Explanation: During the initialization of a library, the server finds that the drive path was removed.

System action: The drive will not be accessible by the library during tape operations.

User response: The drive may be made accessible by issuing the UPDATE DRIVE command with the DEVICE= option.

ANR8937W  The device name for drive drive name in library library name is missing. UPDATE DRIVE required.

Explanation: The device name for a drive was found to be missing.

System action: The drive will not be accessible by the server for tape operations.

User response: The drive may be made accessible by issuing the UPDATE DRIVE command with the DEVICE= option.

ANR8938E  Initialization failed for Shared library library name; will retry within delay time minute(s).

Explanation: The initialization process for the given library has failed. It will be retried automatically in the specified time.

System action: The initialization will be retried later.

User response: Ensure that the library manager server is running, and the library is initialized.

ANR8939E  The adapter for tape drive drive name cannot handle the block size needed to use the volume.

Explanation: The adapter cannot read and write the block size need for the volume because the MAXIMUMSGLIST parameter of the adapter is set to less than hex 41.

System action: The volume will not be mounted in the drive.

User response: The adapter must be updated to handle a larger block size. The setting is usually MAXIMUMSGLIST in the Windows registry under:

HKEY_LOCAL_MACHINE->SYSTEM->Current Control Set->Services->{vendor device name}->Parameters->Device

Note that "[vendor device name]" should be substituted with the name of the vendors device. For example, the Qlogic 2200 would use "QL2200" for the respective vendor device name.

MAXIMUMSGLIST should be set to hex 41 to work properly with Tivoli Storage Manager.

You can also run the DSSMAXSG utility to set the MaximumSGL value to 0x41(65) for all HBAs.

For additional information, see the HBA documentation or contact the vendor for the HBA.

For additional questions, contact IBM support.

ANR8940E  Path definition for file drive drive name in library library name for server server or storage agent name does not have a matching directory in the device class directory attribute for volume volume name.

Explanation: A library client or storage agent requested a mount of a file volume in a drive that is contained in a file library but the path definition does not contain a matching directory name. There must be a matching directory in the PATH definition for each drive in a file library and the corresponding directories in the device class associated with the library. The directories in the PATH definition must point to the same storage as those of the device class definition,
from the perspective of the specific server or storage agent. The list of directories must have entries for each directory in which file volumes are to be read or written by the specified server or storage agent.

**System action:** The operation will fail.

**User response:** Ensure that DIRECTORY attribute of the above path definition contains matching directories for each of the directories in the server's device class definition.

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**ANR8941W**

The volume from slot-element element-address in drive drive name in library library name is blank.

**Explanation:** The volume in the slot is not labeled and is blank.

**System action:** The volume is skipped, and processing continues with the next available slot. If the volume is checked in, it is removed from the inventory.

**User response:** Label the volume using LABEL LIBVOL, and check it in using CHECKIN LIBVOL.

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**ANR8942E**

Could not move volume volume name from slot-element element-address to slot-element element-address.

**Explanation:** Could Not move volume from slot to slot.

**System action:** Move volume operation failed.

**User response:** This message indicates a hardware failure. For assistance, contact IBM hardware support. If the volume was physically removed from the library, you can re-insert the volume into the drive after it is fixed or replaced and issue the AUDIT LIBRARY command. This command restores the library volume inventory to a consistent state with the volumes that physically reside in the library. If the volume was not removed from the library, no further action is necessary.

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**ANR8943E**

A hardware or media error occurred during an operation on library library name (OP=internal code, CC=internal code, KEY=internal code, ASC=internal code, ASCQ=internal code, SENSE=sense data, Description=error description). Refer to the Tivoli Storage Manager documentation on I/O error code descriptions.

**Explanation:** A hardware or media error occurred during an operation on the specified library.

**System action:** The operation fails.

**User response:** Ensure that the DEVICE parameter that is associated with the library is identified correctly in the DEFINE PATH command and that the library device is turned on and ready. The drive reference manual usually contains tables that explain the values of the KEY, ASC, and ASCQ fields.

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**ANR8944E**

Hardware or media error on drive drive name with volume volume name (OP=internal code, Error Number=internal code, CC=internal code, KEY=internal code, ASC=internal code, ASCQ=internal code, SENSE=sense data, Description=error description). Refer to the Tivoli Storage Manager documentation on I/O error code descriptions.

**Explanation:** A hardware or media error has occurred while operating on the specified drive.

**System action:** The operation fails.

**User response:** Ensure that the DEVICE parameter associated with the drive was identified correctly in the DEFINE PATH command and that the drive is currently powered on and ready. The drive reference manual usually contains tables that explain the values of the KEY, ASC, and ASCQ fields.

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**ANR8945W**

Scratch volume mount failed volume name.

**Explanation:** Scratch volume mount failed.

**System action:** Scratch volume mount operation failed.

**User response:** None.

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**ANR8946W**

There were more labels in the vollist than volumes available to label.

**Explanation:** Label Libvolume command still finishes without error, but the last labels provided were not used. Labeling finished when there were no more volumes available.

**System action:** All available volumes were labeled, but additional volume names were not utilized from the vollist.

**User response:** None.

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**ANR8947W**

There were less labels in the vollist than volumes available.

**Explanation:** Label Libvolume command still finishes without error, but volumes are left unlabeled.

**System action:** Additional volumes were left unlabeled.

**User response:** None.
ANR8948S  Device device, volume volume name has issued the following Critical TapeAlert:
alertmessage

Explanation: The specified device while loaded with the named volume has issued a TapeAlert critical message. This message is a feature of the hardware and is from the device, not the TSM server. It is surfaced at the termination of the current operation but is independent of the operation.

System action: The operation may or may not fail, depending on other error indications such as check conditions from the device. The TapeAlert message does not by itself indicate failure. See other messages related to the device or volume in the activity log.

User response: Proper response may be indicated in the text of the TapeAlert. The context of the TapeAlert may need to be determined from other activity log messages in order to follow its recommendations.

ANR8949E  Device device, volume volume name has issued the following Critical TapeAlert:
alertmessage

Explanation: The specified device regardless loaded or not without the named volume has issued a TapeAlert critical message. This message is a feature of the hardware and is from the host interface, not the TSM server. It is surfaced at the termination of the current operation but is independent of the operation.

System action: The operation will fail. The TapeAlert message does not by itself indicate failure. See other messages related to the device or volume in the activity log.

User response: Proper response may be indicated in the text of the TapeAlert. The context of the TapeAlert may need to be determined from other activity log messages in order to follow its recommendations.

ANR8950W  Device device, volume volume name has issued the following Warning TapeAlert:
alertmessage

Explanation: The specified device without the volume name has issued a TapeAlert Warning message. This message is a feature of the hardware and is from the device, not the TSM server. It is surfaced at the termination of the current operation but is independent of the operation.

System action: The operation will fail. See other messages related to the device or volume in the activity log.

User response: Proper response may be indicated in the text of the TapeAlert. The context of the TapeAlert may need to be determined from other activity log messages in order to follow its recommendations.

ANR8951I  Device device, volume volume name has issued the following Information TapeAlert:
alertmessage

Explanation: The specified device while loaded with the named volume has issued a TapeAlert information message. This message is a feature of the hardware and is from the device, not the TSM server. It is surfaced at the termination of the current operation but is independent of the operation.

System action: The operation may or may not fail, depending on other error indications such as check conditions from the device. The TapeAlert message does not by itself indicate failure. See other messages related to the device or volume in the activity log.

User response: Proper response may be indicated in the text of the TapeAlert. The context of the TapeAlert may need to be determined from other activity log messages in order to follow its recommendations.

ANR8952E  Library serial number does not match that defined for library name.

Explanation: The serial number defined for the specified library does not match the serial number discovered. The pending operation will fail.

System action: The library is taken offline when the mismatch is discovered. Verify the serial number and the device name for the library against those defined. If they do not match, the definitions for the library are incorrect and need updated. Once the serial number is updated, the library will be brought back online.

User response: Update the serial number or device name for the specified library with the correct values.

ANR8953I  Library library name with serial number serial number is updated with the newly discovered serial number serial number.

Explanation: The serial number for the library defined does not match with the serial number discovered. The newly discovered serial number will replace the existing definition for this library since autodetect is on.

System action: The existing serial number for the specified library is replaced by the newly discovered serial number.

User response: None.

ANR8954E  Failed to obtain a path for drive drive name for library library name.

Explanation: An attempt to acquire a path for the drive failed. This most likely means that a path is not defined for this drive.

System action: The operation fails.

User response: Ensure that a path is defined for this drive.
drive. If one is defined, make sure it is defined correctly with the correct source and destination type. If the drive is in a shared FILE library:

- Ensure that the number of paths defined for the storage agent is the same as the number of drives within the library.
- Ensure that the directories are correct in the server device-class definition and the storage-agent path definitions.
- Ensure that the number and order of directories for each path for the storage agent is the same as the number and order of directories in the device-class directory definition.

**ANR8955I**  Drive *drive name* in library *library name* with serial number *serial number* is updated with the newly discovered serial number *serial number*.

**Explanation:** The serial number for the drive defined does not match with the serial number discovered. The newly discovered serial number will replace the existing definition for this drive since autodetect is on.

**System action:** None.

**User response:** None.

**ANR8956E**  Serial number defined for library *library name* does not match the discovered serial number.

**Explanation:** The serial number for the library defined does not match the serial number discovered due to autodetect is set to NO. The pending operation will fail.

**System action:** A mismatch between the serial number for library and the newly discovered serial number is detected.

**User response:** Update the serial number for the specified library with the correct values.

**ANR8957E**  Command: The serial number reported by the library did not match the serial number in the library definition.

**Explanation:** The serial number of the library in the database did not match the serial number of the library found using the device special file specified. UPDATE PATH cannot be used to change libraries, and thus, the new device must have the same serial number as stored in the database unless the serial number in the database is empty.

**System action:** The command is not processed.

**User response:** Reissue the command, and specify a valid DEVICE parameter value. If this is a new or different library with a different serial number, a new library and path should be defined with DEFINE LIBRARY and DEFINE PATH.

**ANR8958E**  Command: Autodetect is OFF and the serial number reported by the drive did not match the serial number in the drive definition.

**Explanation:** An invalid value has been provided for the specified parameter.

**System action:** The command is not processed.

**User response:** Reissue the command, and specify a valid parameter value.

**ANR8959W**  Path to the library or the device does not exist.

**Explanation:** A path to the library or the device does not exist yet.

**System action:** This may not be an error.

**User response:** None.

**ANR8960I**  Command: The display of Tape Alerts from SCSI devices is status.

**Explanation:** Whether the status of Tape Alerts from SCSI devices will be display.

**System action:** The command is processed.

**User response:** None.

**ANR8961E**  Serial number defined for library *library name* and drive *drive name* is blank and does not match the discovered drive serial number *serial number*.

**Explanation:** A device has been swapped and we are not able to get the new path.

**System action:** None.

**User response:** None.

**ANR8962E**  Unable to find path to match the serial number defined for library *library name*.

**Explanation:** Either a device has hardware problems or a device path has been changed and the TSM server cannot find the new path with the SAN Discovery option set to ON.

**System action:** None.

**User response:** None.

**ANR8963E**  Unable to find path to match the serial number defined for drive *drive name* in library *library name*.

**Explanation:** A device may have hardware problems or a device path may have been changed and the TSM server cannot find the new path with the SAN Discovery option set to ON. The TSM server cannot get
device information when it cannot open the device. Therefore, the TSM server cannot validate the drive serial number to see if this drive with the failed open operation is the same drive as it previously used. The causes of this failed open device may be a bad cable, a bad drive or a bad HBA card. However, if an incorrect drive is used (for example, an incorrect device path) and with the SAN discovery option set to OFF or UNSCANNEDPATHOFF, the TSM server will not search the SAN environment to get a proper device.

**System action:** The TSM server may mark this device offline for SAN Discovery option ON or UNSCANNEDPATHOFF.

**User response:** Users should check the TSM server option file first. If SAN discovery option is set to OFF or UNSCANNEDPATHOFF, set it to ON and check for hardware errors on the device. If the SAN discovery option is set to ON, then check the device to see if there is a hardware problem.

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**ANR8964W** Unable to update the path in the database path source name and drive drive name.

**Explanation:** The system is not able to update the path information in the database.

**System action:** 

**User response:** None.

---

**ANR8965W** The server is unable to obtain the serial number of the SCSI device drive name.

**Explanation:** The server cannot detect a device serial number from the HBAAPI or the device itself, so the server is not able to automatically correct the path for the device.

**System action:** Server operation continues.

**User response:** Verify the following:

- The device name in the path definition is correct.
- The correct version of the HBAAPI is installed to the system.
- The SAN discovery option is set to ON in the options file.

---

**ANR8966E** Cannot get device number for the drive drive name.

**Explanation:** The server is unable to obtain the device number for the specified drive. This could occur if an invalid device name is specified for the drive or if there is hardware errors.

**System action:** The drive is temporarily made offline and is not used for tape operations. The server polls the drive at one-half minute intervals to check if the condition has cleared. Once the drives is accesible again, the drive is brought online.

**User response:** Determine the reason the drive is inaccessible, such as hardware errors reported in the system logs or an invalid device name was specified for the drive. Render any needed corrections to the drive. The drive will be brought online automatically when the polling process detects that is has become accessible.

---

**ANR8967E** Command: The drive serial conflicts with an existing drive in library library name.

**Explanation:** The serial number already exists in the drives in the given library.

**System action:** The command is not processed.

**User response:** Specify a valid serial parameter for this drive.

---

**ANR8968E** Unable to create path for device device.

**Explanation:** An attempt to contact the drive with a given device name failed. This probably means the device name is incorrect, but this attempt can also fail for other reasons.

**System action:** Operation failed.

**User response:** The device parameter is probably not valid. This could be temporary, but not necessarily. If this occurs while upgrading from Tivoli Storage Manager Version 4.1 or previous (where paths were not used), then the drive needs to be deleted, redefined, and a new path needs to be defined with a valid device parameter. If this occurs on a Tivoli Storage Manager server that already has paths (Version 4.2 or higher), then just update the drive to online. The device parameter on the drive path can also be updated before the drive is turned online, if you know the device parameter should be changed.

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**ANR8969E** The owner of volume Volume name can not be updated to owner Owner name.

**Explanation:** A command was issued updating ownership of a volume. The owner of this particular volume can not be changed.

**System action:** The command is not processed.

**User response:** None.

---

**ANR8970E** Unable to open special file specialfile for tracing parameter device driver; errno = errno.

**Explanation:** The special file created by the device driver for tracing purposes could not be opened by the server. This file should be created when the device driver is configured on the system.

**System action:** Device driver tracing could not be started.
User response: Make sure that the special file exists and can be accessed by the server. If the device driver has not been completely configured and special files created for all devices, do so. The device driver can also be traced by specifying the name of a library or drive that has been defined to the TSM Server.

ANR8971E Unable to validate directory name
directory name for parameter command.

Explanation: The specified directory name was being used in the indicated command. The server attempted to validate that the directory was accessible so that it could be used in the command definition. The server was unable to validate that the directory was accessible.

System action: The command fails. The server continues.

User response: Make sure that the directory exists and can be accessed by the server.

ANR8972E command: Unable to find the element number for drive drive name in library
library name.

Explanation: Because the drive serial number does not match any drive serial number in the serial/element number map reported by the library, the element number cannot be determined.

System action: The command is not processed.

User response: Make sure the serial number entered for the drive is correct if AUTODETECT is not active. If AUTODETECT is active, the drive serial number might be incorrect or the library reported an incorrect serial/element number map. Contact your service representative.

ANR8973E Reset has failed to break the reservation set by another system for device device name with path path name.

Explanation: The attempt to reset the device reservation set by another system has failed.

System action: 

User response: If this tape device is a Fibre Channel direct attached device on Windows 2003, please make sure the HBA driver is a StorPort driver by checking the HBA vendor’s support web site. The device reset (LUN Reset) on Windows 2003 requires StorPort driver. Otherwise, the device may have to be rebooted to reset the reservation. If not rebooted, this device will not be accessible. If “RESETDrive” keyword for the update library command is set to NO, device reset will not be attempted.

ANR8974I Found new path for path source name and
target name target name old path old path
name new path new path name. Path
information will be updated remotely.

Explanation: A new path has been found for the device on the library client or storage agent. Will try to update the path information on the library manager.

System action: 

User response: The path change may be caused by system reboot or cable swap or device addition or removal.

ANR8975I Found new path for path source name and
target name target name old path old path
name new path new path name. Path
information is updated.

Explanation: A new path has been found for the device and the path information has been updated.

System action: 

User response: The path change may be caused by system reboot or cable swap or device addition or removal.

ANR8976E Unable to open special file specialfile for
LUN reset with errno = errno.

Explanation: The special file created by the device driver for LUN reset purposes could not be opened by the server. This file should be created when the device driver is configured on the system

System action: LUN reset could not be started.

User response: Make sure that the special file exists and can be accessed by the server. If the device driver has not been completely configured with special files created for all devices, resolve the device driver configuration.

ANR8977W The volume loaded into library library name did not have a valid label. Please load a scratch volume with a valid label.

Explanation: During normal operations a MANUAL library will prompt the user for the desired volume name if the volume does not have a valid label and the AUTOLABEL parameter is turned on. However, the utility mode of DUMPDB cannot prompt the user for a desired volume name.

System action: The server unloads the volume and asks for a new scratch volume with a valid label.

User response: The user needs to insert scratch volumes with valid labels or reissue the DUMPDB command and specify the desired volume name on the command line with the VOLUMENAMES parameter. See the DUMPDB documentation.
The number of drives in library library name has been increased from original drive count to new drive count. Please restart the TSM server to update the configuration.

**Explanation:** The number of drives in the library has been increased. The new configuration will be recorded if TSM server is restarted.

**System action:**

**User response:** Number of drives in the library has been increased. The user needs to restart the TSM server to capture the new configuration.

---

**ANR89791** Command: Operation for library library name started as process process ID.

**Explanation:** A scan library process has been started for the given library. The process is assigned the ID specified in the message.

**System action:** The server starts a background process to perform the operation in response to the SCAN LIBRARY command entered by an administrator.

**User response:** To obtain status on the process, issue the QUERY PROCESS command. The process may be canceled with the CANCEL PROCESS command.

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**ANR89801** SCAN LIBRARY process for library library name has been canceled.

**Explanation:** A background server process that has been working to scan the given library is canceled by the CANCEL PROCESS command.

**System action:** The server process is ended and server operation continues.

**User response:** None.

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**ANR8981I** Scanning for library library name.

**Explanation:** In response to a QUERY PROCESS command, this message displays the status for an SCAN LIBRARY process on the server.

**System action:** Server operation continues.

**User response:** None. The process may be canceled by an authorized administrator using the CANCEL PROCESS command.

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**ANR8982E** SCAN LIBRARY process for library library name failed.

**Explanation:** The background process for an SCAN LIBRARY command has failed.

**System action:** The background process ends.

**User response:** Make sure the library and drive devices associated with this command are powered on and ready, then reissue the command.

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**ANR8983I** SCAN LIBRARY process for library library name completed successfully.

**Explanation:** The background process for an SCAN LIBRARY command has completed successfully.

**System action:** The library has been scanned.

**User response:** None.

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**ANR8984E** The drive drive name in library library name is incapable of performing any drive encryption operations.

**Explanation:** The server queried the drive’s encryption capability, and the query failed or the query showed that the drive does not have encryption capabilities.

**System action:** The mount operation fails.

**User response:** If this message occurs on a scratch mount and drive encryption has not been utilized yet, you can turn drive encryption off by updating the DRIVEENCRYPTION parameter on the device class. Otherwise, verify your hardware configuration. First, verify that all the drives in this logical library support drive encryption. Second, verify that the device driver controlling all of the drives in this library also supports drive encryption. If both the drives and the device driver support drive encryption, call your drive hardware support.

---

**ANR8985E** The drive drive name in library library name is using an encryption method that is incompatible with the current server settings.

**Explanation:** The server requires the drive to use various drive encryption methods based on the DRIVEENCRYPTION device class parameter for empty volumes or based on the previous encryption method used for filling volumes. The server is unable to properly handle the volume’s encryption key without resolving this conflict.

**System action:** The mount operation fails.

**User response:** If this message occurs while mounting an empty volume the encryption method setup in your hardware environment is incompatible with the DRIVEENCRYPTION setting in your device class. Either update the device class or your hardware’s encryption method such that these setting no longer conflict. If this message occurs while mounting a filling volume, either update your hardware configuration to the same method used while originally backing up this volume, which can be determined by the QUERY VOLUME FORMAT=DETAIL command, or update this volume’s access to UNAVAILABLE.
ANR8986E The server currently doesn't allow AES encryption which is required for drive encryption support with the DRIVEENCRYPTION=ON parameter on the device class.

Explanation: Without AES encryption support the server cannot generate adequately strong enough encryption keys for drive encryption.

System action: The mount operation fails.

User response: Update the DRIVEENCRYPTION parameter on the device class to a value other than ON.

ANR8987W The server will not encrypt the volume volume name.

Explanation: Drive encryption with the device class parameter setting of DRIVEENCRYPTION=ON will only encrypt storage pool volumes. Thus, backups, DB backups, and export volumes will not be encrypted.

System action: The mount continues, but encryption is not used.

User response: If encryption is needed for this volume or other backups, DB backups, or export volumes, use a different method of encryption: use a device class parameter of DRIVEENCRYPTION=ALLOW and a hardware method of 'Library' or 'System' (do not use the 'Application' method).

ANR8988W Library Library Name failed to relabel volume Volume Name after it returned to scratch.

Explanation: The RELABELSCRATCH option is enabled, and while attempting to relabel the volume the operation failed.

System action: None.

User response: This warning may be issued if the relabeling operation attempts to relabel the same volume as another library volume operation: LABEL LIBVOLUME, CHECKIN LIBVOLUME, CHECKOUT LIBVOLUME, or another relabeling operation. For example, suppose two relabeling operations run on the same volume. If the first relabeling operation succeeds and the second operation fails, no action is required. Verify the volume is still checked into the library with the QUERY LIBVOL command. If it is not checked in, use LABEL LIBVOL or CHECKIN LIBVOL to check the volume back into the library.

ANR8989E The library state refresh for library name failed.

Explanation: The operation to re-initialize the library's state failed.

System action: None.

User response: To refresh the library state, halt and restart the Tivoli Storage Manager server.

ANR8990E Device Device Name is not supported by the Tivoli Storage Manager server.

Explanation: The device product identification is not recognized by the Tivoli Storage Manager server.

System action: None.

User response: Determine if the installed level of the server supports the device by visiting the Tivoli Storage Manager Supported Devices for AIX, HP-UX, Solaris, and Windows document at http://ibm.co/Ykot3r.

If the device is a tape drive and is not supported, you can use it with the generic tape format. To use the drive, specify GENERIC TAPE=Yes when defining a path to the drive. If the device is supported and this message is received, search the Tivoli Storage Manager Support Web site for known solutions:


If no solution is found, report the issue to Tivoli Storage Manager Support.

ANR8991E The GENERICTAPE format is not supported with drive Device Name.

Explanation: The device driver does not support all features required for the GENERICTAPE format.

System action: None.

User response: Make sure the tape drive is controlled by the native device driver. The Tivoli Storage Manager device driver does not support the generic tape format. If the drive is controlled by the Tivoli Storage Manager device driver and you intend to use the Tivoli Storage Manager tape format with the drive, do not specify GENERIC TAPE=Yes when defining a path to the drive.

ANR8992E The server currently doesn't allow AES encryption which is required for drive encryption support with the DRIVEENCRYPTION=ON parameter on the device class.

Explanation: Without AES encryption support the server cannot generate adequately strong enough encryption keys for drive encryption.

System action: None.

User response: Verify the primary library manager is up and operational. Once the server is verified to be operational, retry the operation.
ANR8993I  The library state refresh for library name was successful.

Explanation: The server successfully re-initialized the library's state.

System action: None.

User response: None.

ANR8994W Append-only mode is not supported on drive Drive Name.

Explanation: The server attempted to enable Append-Only mode on the tape drive for data overwrite protection. However, the tape drive does not support Append-Only mode.

System action: The server will not enable append-only mode on the tape drive for data overwrite protection.

User response: No action is required. You can set the server option CHECKTAPEPOS to No or TSMonly if you do not wish the server to use append-only mode for data overwrite protection on the tape drives that support append-only mode.

ANR8995E Unable to write to volume Volume Name in drive Drive Name.

Explanation: The server is unable to write to the volume because the drive is in append-only mode and the volume is write-protected.

System action: The server will dismount the volume and continue processing with another volume.

User response: Contact your service representative for assistance.

ANR8996W Unable to query or enable append-only mode on drive Drive Name.

Explanation: The server was unable to query or enable append-only mode on the tape drive.

System action: The server will not enable append-only mode for the volume during this mount. The server will attempt to enable append-only mode the next time a volume is mounted if the server option CHECKTAPEPOS is set to Yes or DRIVEonly.

User response: If the problem persists, contact your service representative for assistance. If you do not want the server to use append-only mode for data overwrite protection, you can set the server option CHECKTAPEPOS to No or TSMonly.

ANR8997W The current version of the device driver for drive Drive Name is Driver Version. To enable append-only mode, version Required Version or later is required.

Explanation: The device driver for the drive does not meet the version requirement to support append-only mode.

System action: The server will not enable append-only mode on the tape drive for data overwrite protection.

User response: Upgrade the device driver for the drive to the required version.

ANR8998W Encryption has been disabled for drive drive name in library library name.

Explanation: The server determined that the drive's encryption method was Application Managed Encryption (AME). Since the server is assumed responsibility for encryption settings when device class uses DRIVEENCRYPT=ALLOW and the drive uses AME, encryption has been disabled.

System action: The mount continues with encryption disabled.

User response: If encryption is intended to be used for this operation, with TSM managing the encryption keys, then the DRIVEENCRYPT parameter should be set to ON. If encryption is intended to be used for this operation, without TSM managing the encryption keys (for example, NEC, Fujitsu, and SpectraLogic provide AME encryption solutions without TSM managing encryption), then the DRIVEENCRYPT parameter should be set to EXTERNAL. In either of these situations, data on the volume used in this operation will need to be moved to a new volume with the correct settings to encrypt the data.

ANR8999E Directory name directory name has been duplicated in parameter command.

Explanation: When defining or updating multiple directories for a device class, you can only specify a directory name once in the command.

System action: The command fails. The server continues.

User response: Ensure that the directory name is specified only once in the command.

ANR9000E Drive drive name does not support logical block protection.

Explanation: The LBPROTECT parameter associated with the device class is set to enable logical block protection. However, the tape drive does not support logical block protection.

System action: The mount operation fails.

User response: Update drive firmware to the level that supports logical block protection.
ANR9001W Volume volume name does not have logical block protection.

Explanation: The server cannot enable logical block protection for this volume. Data that is already on the volume does not have logical block protection, or the media type is not compatible with logical block protection.

System action: The operation will continue without logical block protection enabled on the volume.

User response: If the media type supports logical block protection, mark the volume access to READONLY so that the server cannot write to the volume.

ANR9002E The version of the device driver for drive Drive Name is Driver Version. Driver version Required Version or later is required for logical block protection.

Explanation: The device driver for the drive does not meet the version requirement for logical block protection.

System action: The mount operation fails.

User response: Upgrade the device driver for the drive to the required version.

ANR9003E The block CRC validation failed on volume volume name in drive drive name.

Explanation: The data block was corrupted while it was transferred to or from the drive.

System action: The operation fails.

User response: Restart the operation to try the volume in a different drive. If the problem persists, check the hardware connections and the tape drive.

ANR9004E The server has detected that drive name can also be accessed by other applications through the st device special file device name. All st device special files for this drive must be deleted.

Explanation: When more than one device driver can access a drive, tape labels or other data can be overwritten. To prevent possible data integrity issues, you must delete all st device special files for this tape drive.

System action: The operation fails or the drive is temporarily taken offline and is not available for tape operations. The server polls the drive at thirty second intervals to verify that all of the st device special files for the tape drive have been deleted. Once all files have been deleted, the drive is brought back online.

User response: Run the rmstdev utility with -d as the root user to locate and delete the st device special files. Then, retry the operation. For more information about this issue, see the Administrator's Guide in the Information Center.

ANR9005E Command: Library library name has an active relabel process and can not be deleted.

Explanation: The designated library can not be deleted or updated because it is currently in use for a relabel operation.

System action: The command is not processed.

User response: Wait until the relabel operation completes, and then retry the command.

ANR9006E Tape volumes must be physically removed from an ACSLS cartridge access port (CAP).

Explanation: Tape volumes are located in the ACSLS CAP. The ACSLS server requires users to physically remove these volumes from the CAP within 30 minutes. When REMOVE=NO is set in the CHECKOUT LIBVOLUME command, a tape ejection operation is scheduled. If the user fails to remove the tape from the CAP within 30 minutes, the ACSLS server sets a failure status for the tape ejection operation.

System action: The ACSLS library ejected tape volumes and relocated them to a CAP.

User response: Remove the volumes from the CAP. If there are no tape cartridges in the CAP, check the ACSLS library to ensure that no tapes are lodged there.

ANR9007E Command: The library cartridge access port (CAP) ID is invalid for library library name.

Explanation: Tape volumes were not ejected from the ACSLS library because the library CAP ID was not specified in the CHECKOUT LIBVOLUME command. By default, all CAPs initially have a priority value of 0, which means that the ACSLS server does not automatically select a CAP.

System action: The system failed to eject the tape volumes.

User response: To verify the CAP priority value, issue the QUERY CAP command. If the priority value is 0, reissue the CHECKOUT LIBVOLUME command with a CAP ID. Alternatively, set the CAP priority to a non-zero value and reissue the CHECKOUT LIBVOLUME command.
ANR9008E Unable to determine the drive type for Device of type Device Inquiry String.

Explanation: The drive could not be opened. This version of Tivoli Storage Manager may not support the drive type.

System action: The system failed to identify the drive type.


ANR9009E The cartridge access port (CAP) for library library name is not available. The CAP status is cap status.

Explanation: An error occurs in the CAP while accessing the specified library.

System action: The operation fails.

User response: Ensure that the CAP is empty, all tape volumes are removed from the CAP, and the CAP door is closed.

ANR9010W Unable to verify drive drive name.

Explanation: The mount operation fails because the SANDISCOVERY option is not enabled. Therefore, the SAN discovery function did not verify whether the specified drive must be opened.

System action: The SAN discovery function is not turned on.

User response: Verify the SANDISCOVERY option value in the dsmserVopt file. If the value is set to OFF or UNSCANNEDPATHOFF, change the value to ON.

ANR9011E Position error: the volume volume name in drive drive name is not at the expected position: The actual volume position is: expected volume position.

Explanation: The CHECKTAPEPOS server option has determined that there is a volume position error Tivoli Storage Manager has not repositioned the tape. Writing is halted to prevent data loss.

System action: The write operation fails.

User response: Refer to documentation about preventing tape label overwrites in the Tivoli Storage Manager Information Center and follow the steps for your operating system. See Tivoli Documentation Central at https://www.ibm.com/developerworks/wikis/display/tivolidoccentral/Tivoli for links to available Tivoli Storage Manager information centers.

ANR9012E There is no drive available for the database restore operation for device class device class name.

Explanation: The database restore operation cannot be completed. There are no available mount points. Possible reasons include:
- The device configuration file is not correctly defined to access the media.
- There is a problem with the media.

System action: The database restore operation fails.

User response: Review the information in the message explanation and take action to correct any problems with the device configuration file or media. Reissue the RESTORE DB command.

ANR9013W The library library name does not use RESETDRIVES.

Explanation: In a cluster failover environment when running the DEFINE LIBRARY command, you must set the RESETDRIVES parameter to YES when the SHARED parameter value is NO (a default value).

The RESETDRIVES parameter specifies that the server cleans up the reservation in tape drives after a cluster failover occurs. For example, host A is a primary host system and host B is a secondary host system in a cluster failover environment. Before failover occurs, host A uses a tape drive. After failover occurs from host A to host B, host A continues to reserves this tape drive. If the RESETDRIVES parameter is set to NO, host B does not clean up the reservation from this tape drive. Host B no longer has access to this tape drive. If the RESETDRIVES parameter is set to YES, host B cleans up the reservation from this tape drive and can access to this drive. For more information on the RESETDRIVES parameter, see the DEFINE LIBRARY command.

System action: A server cannot access tape drives that are reserved by another server in a cluster failover environment after a failover has occurred.

User response: Issue the UPDATE LIBRARY command and specify the RESETDRIVES=YES option.

ANR9014E Volume volume name is incompatible with drive drive name.

Explanation: The drive cannot read the volume format. This can be attributed to a different generation media format or an encrypted tape.

System action: The operation fails.

User response: Make sure that the volume is correctly formatted for this drive, and validate the device class settings for this operation. If it is encrypted, the drive...
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must be configured to decrypt the cartridge.

The replacement name can be another raw partition name or a regular file name.

ANR9015E  The device device name path symlink appears to be circular.

Explanation:  When the server attempts to validate the device path the symlink is too long.

System action:  A server cannot access the device due to a device symlink problem.

User response:  Issue the autoconf script to re-establish the links.

ANR9579W (HP-UX)  Command:  The file file name cannot be found.

Explanation:  The specified file cannot be found.

System action:  For the default server executable file, the PREPARE command uses /opt/IBMadsms/bin/dsmser.

User response:  Determine why the file does not exist and create it if necessary.

ANR9579W (Linux)  Command:  The file file name cannot be found.

Explanation:  The specified file cannot be found.

System action:  For the default server executable file, the PREPARE command uses /opt/IBMadsms/bin/dsmser.

User response:  Determine why the file does not exist and create it if necessary.

ANR9579W (Solaris)  Command:  The file file name cannot be found.

Explanation:  The specified file cannot be found.

System action:  For the default server executable file, the PREPARE command uses /opt/IBMadsms/bin/dsmser.

User response:  Determine why the file does not exist and create it if necessary.

ANR9580W (Solaris)  Command:  Generated replacement volume name volume name may not be a valid raw partition name. Original volume name:volume name. Stanza is stanza name.

Explanation:  Appending the replacement volume name postfix to the original volume name has created a name that may not be a valid raw partition name.

System action:  Replacement volume name is used in the recovery plan stanza.

User response:  Manually update the generated recovery plan stanza with a legal replacement name.

ANR9581W (Solaris)  Command:  Volume file name not found while building stanza recovery plan stanza name.

Explanation:  This volume is defined to the server but does not exist. The device class associated with the volume is DISK or the device class device type is FILE.

System action:  The entry for the volume is not included in the recovery plan stanza.

User response:  Determine why file does not exist; create if necessary.

ANR9581W (Linux)  Command:  Volume file name not found while building stanza recovery plan stanza name.

Explanation:  This volume is defined to the server but does not exist. The device class associated with the volume is DISK or the device class device type is FILE.

System action:  The entry for the volume is not included in the recovery plan stanza.

User response:  Determine why file does not exist; create if necessary.

ANR9581W (Solaris)  Command:  Volume file name not found while building stanza recovery plan stanza name.

Explanation:  This volume is defined to the server but does not exist. The device class associated with the volume is DISK or the device class device type is FILE.

System action:  The entry for the volume is not included in the recovery plan stanza.

User response:  Determine why file does not exist; create if necessary.
ANR9582E (HP-UX)  Command: Generated file name too long. Length of directory or prefix ‘prefix’ plus ‘name’ exceeds maximum characters characters.

Explanation: The file name generated is too long. The maximum valid length is shown in the message.

System action: The recovery plan file was not created.

User response: Reissue the command specifying a valid prefix. The following commands are used to specify the prefix:
- SET DRMLPLANPREFIX
- SET DRMINSTRPREFIX
- PREPARE

ANR9582E (Linux)  command: Generated file name too long. Length of directory or prefix ‘prefix’ plus ‘name’ exceeds maximum characters characters.

Explanation: The file name generated is too long. The maximum valid length is shown in the message.

System action: The recovery plan file was not created.

User response: Reissue the command specifying a valid prefix. The following commands are used to specify the prefix:
- SET DRMLPLANPREFIX
- SET DRMINSTRPREFIX
- PREPARE

ANR9582E (Solaris)  Command: Generated file name too long. Length of directory or prefix ‘prefix’ plus ‘name’ exceeds maximum characters characters.

Explanation: The file name generated is too long. The maximum valid length is shown in the message.

System action: The recovery plan file was not created.

User response: Reissue the command specifying a valid prefix. The following commands are used to specify the prefix:
- SET DRMLPLANPREFIX
- SET DRMINSTRPREFIX
- PREPARE

ANR9583E (Solaris)  Command: Cannot generate server options file name.

Explanation: A failure occurred generating the server options file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.

ANR9584E (HP-UX)  command: Cannot generate server options file name.

Explanation: A failure occurred generating the server options file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.

ANR9584E (Linux)  command: Cannot generate server options file name.

Explanation: A failure occurred generating the server options file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.

ANR9584E (Solaris)  Command: Cannot generate server options file name.

Explanation: A failure occurred generating the server options file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.
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User response: See accompanying messages for more information.

ANR9585E (HP-UX) Command: Cannot generate a volume history file name.

Explanation: A failure occurred generating the volume history file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.

ANR9585E (Linux) Command: Cannot generate a volume history file name.

Explanation: A failure occurred generating the volume history file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.

ANR9585E (Solaris) Command: Cannot generate a volume history file name.

Explanation: A failure occurred generating the volume history file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.

ANR9586E (HP-UX) Command: Cannot generate a device configuration file name.

Explanation: A failure occurred generating the device configuration file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.

ANR9586E (Linux) Command: Cannot generate a device configuration file name.

Explanation: A failure occurred generating the device configuration file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.

ANR9586E (Solaris) Command: Cannot generate a device configuration file name.

Explanation: A failure occurred generating the device configuration file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.

ANR9600E (AIX) Invalid information passed to NETLS license interface.

Explanation: The server licensing functions encountered an internal error in accessing license information for the server storage capacity and number of registered clients.

System action: Server operation continues. New licensing information is not used by the server.

User response: Contact your service representative for assistance in resolving the error.

ANR9600E (Solaris) Failed to allocate memory for shared memory communications. Error: error text.

Explanation: An error has occurred when attempting to get memory for the shared communications option.

System action: Shared memory communications will not be activated.

User response: If the maximum shared memory is, most likely, too small. To increase on SUN, update "/etc/system" with "set shmsys:shminfo_shmmax=268435456" (a recommended size).

ANR9601E (AIX) The NETLS license interface was not initialized properly.

Explanation: The server licensing functions encountered an internal error in accessing license information for the server storage capacity and number of registered clients.

System action: Server operation continues. New licensing information is not used by the server.

User response: Contact your service representative for assistance in resolving the error.

ANR9601E (Solaris) Failed to allocate message queue for the shared memory communications
Error: error text.

Explanation: An error has occurred when attempting to get memory for the shared communications option.

System action: Shared memory communications will not be activated.

User response: If the error given is "ENOSPC", the maximum number of system message queue have likely been exceeded. update "/etc/system" with "set shmsys:msginfo_msgmni=100". Any other error suggests an internal problem and should be reported.
ANR9602E (AIX) Invalid JOB information passed to
the NETLS Interface.

Explanation: The server licensing functions
encountered an internal error in accessing license
information for the server storage capacity and number
of registered clients.

System action: Server operation continues. New
licensing information is not used by the server.

User response: Contact your service representative for
assistance in resolving the error.

ANR9602E (Solaris) Error errno while attaching
memory segment for shared memory
communications.

Explanation: An error occurred while attempting to
attach a shared memory segment for a shared
communications session.

System action: The shared memory communications
session does not initialize.

User response: Check the SUN documentation for the
shmat subroutine and determine what the errno
indicates, and take the appropriate action to correct the
error.

ANR9603E (AIX) The NETLS Nodelock file could
not be created.

Explanation: The server was not able to create the file
/usr/lib/netls/conf/nodelock which is used for storing
license password information.

System action: Server operation continues. New
licensing information is not used by the server.

User response: If the server is not running with root
authority, make sure that directory authorities in the
/usr/lib/netls/conf path are set so that the user ID
under which the server is running can create, read, and
write to the /usr/lib/netls/conf/nodelock file. If the
server is running with root authority, contact your
service representative for assistance in resolving this
problem.

ANR9604E (AIX) The NETLS license interface
encountered an internal error.

Explanation: The server licensing functions
encountered an internal error in accessing license
information for the server storage capacity and number
of registered clients.

System action: Server operation continues. New
licensing information is not used by the server.

User response: Contact your service representative for
assistance in resolving the error.

ANR9605E (AIX) An invalid vendor ID was passed
to NETLS.

Explanation: The server licensing functions
encountered an internal error in accessing license
information for the server storage capacity and number
of registered clients.

System action: Server operation continues. New
licensing information is not used by the server.

User response: Contact your service representative for
assistance in resolving the error.

ANR9606E (AIX) NETLS failed to find socket
families to contact a server.

Explanation: The server licensing functions
encountered an internal error in accessing license
information for the server storage capacity and number
of registered clients.

System action: Server operation continues. New
licensing information is not used by the server.

User response: Contact your service representative for
assistance in resolving the error.

ANR9607E (AIX) No NETLS Servers found.

Explanation: The server licensing functions
encountered an internal error in accessing license
information for the server storage capacity and number
of registered clients.

System action: Server operation continues. New
licensing information is not used by the server.

User response: Contact your service representative for
assistance in resolving the error.

ANR9608E (AIX) A NETLS Security Breach was
encountered.

Explanation: The server licensing functions
encountered an internal error in accessing license
information for the server storage capacity and number
of registered clients.

System action: Server operation continues. New
licensing information is not used by the server.

User response: Contact your service representative for
assistance in resolving the error.

ANR9609E (AIX) Incorrect license entered: Password
entered = password Annotation entered =
annotation.

Explanation: The license information entered for a
REGISTER LICENSE command is not correct.

System action: None.

User response: Register the license again with the
REGISTER LICENSE command. Be sure to correctly enter the license information.

**ANR9610E (AIX)** Unable to create directory: *directory.*

**Explanation:** The REGISTER LICENSE command is unable to either create or verify the specified directory structure.

**System action:** None.

**User response:** If the server is not running with root authority, make sure that directory authorities in the */usr/lib/netls/conf* path are set so that the user ID under which the server is running can create, read, and write to the */usr/lib/netls/conf/nodelock* file. If the server is running with root authority, contact your service representative for assistance in resolving this problem.

**ANR9610E (Linux)** Unable to create directory: *directory.*

**Explanation:** The REGISTER LICENSE command is unable to either create or verify the specified directory structure.

**System action:** None.

**User response:** If the server is not running with root authority, make sure that directory authorities in the given directory path are set so that the user ID under which the server is running can create, read, and write to the server's license file. If the server is running with root authority, contact your service representative for assistance in resolving this problem.

**ANR9610E (Solaris)** Unable to create directory: *directory.*

**Explanation:** The REGISTER LICENSE command is unable to either create or verify the specified directory structure.

**System action:** None.

**User response:** If the server is not running with root authority, make sure that directory authorities in the given directory path are set so that the user ID under which the server is running can create, read, and write to the server's license file. If the server is running with root authority, contact your service representative for assistance in resolving this problem.

**ANR9611E (AIX)** Unable to open NODELOCK file: *file.*

**Explanation:** The REGISTER LICENSE command is unable to either create or open the nodelock file.

**System action:** None.

**User response:** If the server is not running with root authority, make sure that directory authorities in the

**ANR9612E (AIX)** Error writing to NODELOCK file.

**Explanation:** The REGISTER LICENSE command fails writing to the nodelock file.

**System action:** None.

**User response:** If the server is not running with root authority, make sure that directory authorities in the */usr/lib/netls/conf* path are set so that the user ID under which the server is running can create, read, and write to the */usr/lib/netls/conf/nodelock* file. If the server is running with root authority, contact your service representative for assistance in resolving this problem.

**ANR9613W (AIX)** Error loading *modname* for Licensing function: *error string.*

**Explanation:** The server cannot load file module *modname* to initialize licensing functions due to error *error string.*

**System action:** Server operation continues. Default licensing values are in effect for running the server.

**User response:** The dsmreg.lic module is accessed as part of the load process for licensing. It should be in the same directory as the dsmserv executable or it must be in a directory that is pointed to by the DSMSERV_DIR environment variable. The dsmreg.lic module is only installed when you purchase the product.

**ANR9613W (HP-UX)** Error loading *modname* for Licensing function: *error string.*

**Explanation:** The server cannot load file module *modname* to initialize licensing functions due to error *error string.*

**System action:** Server operation continues. Default licensing values are in effect for running the server.

**User response:** The dsmreg.lic module is accessed as part of the load process for licensing. It should be in the same directory as the dsmserv executable or it must be in a directory that is pointed to by the DSMSERV_DIR environment variable. The dsmreg.lic module is only installed when you purchase the product.
ANR9613W (Linux) Error loading modname for Licensing function.

Explanation: The server cannot load file module modname to initialize licensing functions.

System action: Server operation continues. Default licensing values are in effect for running the server.

User response: dsmreg.lic is accessed as part of the load process for licensing. It should be in the same directory as the dsmserv executable file or it must be in a directory that is pointed to by the DSMSERV_DIR environment variable. The dsmreg.lic module is only installed when you purchase the product.

ANR9613W (Solaris) Error loading modname for Licensing function: error string.

Explanation: The server cannot load file module modname to initialize licensing functions due to error error string.

System action: Server operation continues. Default licensing values are in effect for running the server.

User response: dsmreg.lic is accessed as part of the load process for licensing. It should be in the same directory as the dsmserv executable file or it must be in a directory that is pointed to by the DSMSERV_DIR environment variable. The dsmreg.lic module is only installed when you purchase the product.

ANR9614E (AIX) Unable to open license file: file.

Explanation: The REGISTER LICENSE command is unable to either create or open the server license file.

System action: None.

User response: Make sure that the user ID under which the server is running has the authority required to create or write, or both, to the license file in the directory in which the server is running. If this does not resolve the problem, contact your service representative for assistance.

ANR9615E (Solaris) Error writing to adsmser.licenses file.

Explanation: The REGISTER LICENSE command fails writing to the server license file.

System action: None.

User response: Make sure that the user ID under which the server is running has the authority required to create and/or write to the license file in the directory in which the server is running. Also, ensure that free space is available in the file system so that the license information can be written to the file. If this does not resolve the problem, contact your service representative for assistance.

ANR9615E (Linux) Error writing to adsmser.licenses file.

Explanation: The REGISTER LICENSE command fails writing to the server license file.

System action: None.

User response: Make sure that the userid under which the server is running has the authority required to create and/or write to the license file in the directory in which the server is running. Also ensure that there is free space available in the filesystem so that the license information can be written to the file. If this does not resolve the problem, contact your service representative for assistance.
ANR9616I (AIX)  Invalid license record record value found in license file - it will be skipped.

Explanation: The license manager found an invalid record in the server license file (admserv.licenses). The record is ignored.

System action: The invalid record is ignored.

User response: Erase the admserv.licenses file and reregister your licenses.

ANR9616W (Linux)  Invalid license record record value found in license file - it will be ignored.

Explanation: The license manager found an invalid record in the server license file (admserv.licenses). The record is ignored.

System action: The invalid record is ignored.

User response: Erase the admserv.licenses file and reregister your licenses. Refer to the licenses provided to you to ensure that only valid licenses are specified with the REGISTER LICENSE command.

ANR9616W (Solaris)  Invalid license record record value found in license file - it will be ignored.

Explanation: The license manager found an invalid record in the server license file (admserv.licenses). The record is ignored.

System action: The invalid record is ignored.

User response: Erase the admserv.licenses file and reregister your licenses. Refer to the licenses provided to you to ensure that only valid licenses are specified with the REGISTER LICENSE command.

ANR9617I (AIX)  Invalid license authorization: authorization string.

Explanation: The license authorization specified for a REGISTER LICENSE command is not valid.

System action: Server operation continues; licensing terms are not changed by the REGISTER LICENSE command.

User response: Examine the license authorization that was entered using the REGISTER LICENSE command. Reenter the command if the license authorization was not specified correctly. If the license authorization has been specified correctly, contact your service representative.

ANR9617W (Linux)  Invalid license authorization: authorization string.

Explanation: The license authorization specified for a REGISTER LICENSE command is not valid.

System action: Server operation continues; licensing terms are not changed by the REGISTER LICENSE command.

User response: Examine the license authorization that was entered using the REGISTER LICENSE command. Reenter the command if the license authorization was not specified correctly. If the license authorization has been specified correctly, contact your service representative.

ANR9617W (Solaris)  Invalid license authorization: authorization string.

Explanation: The license authorization specified for a REGISTER LICENSE command is not valid.

System action: Server operation continues; licensing terms are not changed by the REGISTER LICENSE command.

User response: Examine the license authorization that was entered using the REGISTER LICENSE command. Reenter the command if the license authorization was not specified correctly. If the license authorization has been specified correctly, contact your service representative.

ANR9618E (AIX)  License registration is not supported on this server.

Explanation: The REGİSTER LICENSE command fails because the license authorization module cannot be found.

System action: Server operation continues; licensing terms are not changed by the REGISTER LICENSE command.

User response: The license authorization file is required for formal licensing for the AIX/6000 server. The file is delivered when the product is purchased, but it is not available in the product service stream or with demonstration copies of the server. If you have purchased the server, contact your service representative for assistance in resolving this problem.

ANR9618E (Linux)  License registration is not supported on this server.

Explanation: The REGİSTER LICENSE command failed because the license authorization module could not be found.

System action: Server operation continues; licensing terms are not changed by the REGISTER LICENSE command.
User response: The license authorization file is required for formal licensing for the server. The file is delivered when the product is purchased, but is not available in the product service stream or with demonstration copies of the server. If you have purchased the server, please contact your service representative for assistance in resolving this problem.

ANR9618E (Solaris) License registration is not supported on this server.

Explanation: The REGISTER LICENSE command failed because the license authorization module could not be found.

System action: Server operation continues; licensing terms are not changed by the REGISTER LICENSE command.

User response: The license authorization file is required for formal licensing for the server. The file is delivered when the server is purchased, but is not available in the product service stream or with demonstration copies of the server. If you have purchased the server, please contact your service representative for assistance in resolving this problem.

ANR9622I (AIX) An EVALUATION LICENSE for support of Tivoli Space Management will expire on expiration date.

Explanation: The AIX/6000 server is distributed with an evaluation license for Tivoli Space Management support. If no formal license is found for the server and the evaluation period has not lapsed, this message is displayed each time the server checks the server license terms.

System action: The Tivoli Space Management license allows clients to utilize the server for storing files migrated during space management. The server checks this license when files are migrated to the server from client nodes to ensure that the server is licensed to perform this function.

User response: If you are interested in using the server, contact your service representative to obtain formal licenses for the server before the evaluation period has elapsed. Without formal licenses, the server will not support Tivoli Space Management after the expiration date shown.

ANR9623I (AIX) An EVALUATION LICENSE for support of Tivoli Disaster Recovery Manager will expire on expiration date.

Explanation: The AIX/6000 server is distributed with an evaluation license for Tivoli Disaster Recovery Manager support. If no formal license is found for the server and the evaluation period has not lapsed, this message is displayed each time the server checks the server license terms.

System action: The Tivoli Disaster Recovery Manager license allows customers to store information in the server regarding machines and recovery media, allows management of offsite recovery media, collects and stores information in the server for server recovery and allows data base and storage pool backups to a device class of type server. The server checks this license when machines or recovery media are defined to the server, when PREPARE or MOVE DRMMEDIA are invoked and when a data base backup or storage pool backup to a device class of type server are performed to ensure that the server is licensed to perform this function.

User response: If you are interested in using the server, contact your service representative to obtain formal licenses for the server before the evaluation period has elapsed. Without formal licenses, the server will not support Tivoli Disaster Recovery Manager after the expiration date shown.

ANR9624I (HP-UX) An EVALUATION LICENSE for support of Tivoli Space Management will expire on expiration date.

Explanation: The server encounters an unexpected error in accessing the SystemView License Use Management function specified.

System action: The server license monitoring operation fails.

User response: The SystemView License Use Management product is installed during normal AIX server installation. Check to make sure that server was installed correctly. If the installation was successful, re-boot your AIX system and re-start the server. If this message continues to be issued, contact your service representative.

ANR9624I (HP-UX) An EVALUATION LICENSE for support of Tivoli Space Management will expire on expiration date.

Explanation: The server is distributed with an evaluation license for Tivoli Space Management support. If no formal license is found for the server and the evaluation period has not lapsed, this message is displayed each time the server checks the server license terms.

System action: The Tivoli Space Management license allows clients to utilize the server for storing files migrated during space management. The server checks this license when files are migrated to the server from client nodes to ensure that the server is licensed to perform this function.

User response: If you are interested in using the server, contact your service representative to obtain formal licenses for the server before the evaluation period has elapsed. Without formal licenses, the server...
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will not support Tivoli Space Management after the expiration date shown.

ANR9624I (Linux) An EVALUATION LICENSE for support of Tivoli Space Management will expire on expiration date.

Explanation: The server is distributed with an evaluation license for Tivoli Space Management support. If no formal license is found for the server and the evaluation period has not lapsed, this message is displayed each time the server checks the server license terms.

System action: The Tivoli Space Management license allows clients to utilize the server for storing files migrated during space management. The server checks this license when files are migrated to the server from client nodes to ensure that the server is licensed to perform this function.

User response: If you are interested in using the server, contact your service representative to obtain formal licenses for the server before the evaluation period has elapsed. Without formal licenses, the server will not support Tivoli Space Management after the expiration date shown.

ANR9625I (HP-UX) An EVALUATION LICENSE for support of Tivoli Disaster Recovery Manager will expire on expiration date.

Explanation: The server is distributed with an evaluation license for Tivoli Disaster Recovery Manager support. If no formal license is found for the server and the evaluation period has not lapsed, this message is displayed each time the server checks the server license terms.

System action: The Tivoli Disaster Recovery Manager license allows customers to store information in the server regarding machines and recovery media, allows management of offsite recovery media, collects and stores information in the server for server recovery and allows data base and storage pool backups to a device class of type server. The server checks this license when machines or recovery media are defined to the server, when PREPARE or MOVE DRMEDIA are invoked and when a data base backup or storage pool backup to a device class of type server are performed to ensure that the server is licensed to perform this function.

User response: If you are interested in using the server, contact your service representative to obtain formal licenses for the server before the evaluation period has elapsed. Without formal licenses, the server will not support Tivoli Disaster Recovery Manager after the expiration date shown.

ANR9624I (Solaris) An EVALUATION LICENSE for support of Tivoli Space Management will expire on expiration date.

Explanation: The server is distributed with an evaluation license for Tivoli Space Management support. If no formal license is found for the server and the evaluation period has not lapsed, this message is displayed each time the server checks the server license terms.

System action: The Tivoli Space Management license allows clients to utilize the server for storing files migrated during space management. The server checks this license when files are migrated to the server from client nodes to ensure that the server is licensed to perform this function.

User response: If you are interested in using the server, contact your service representative to obtain formal licenses for the server before the evaluation period has elapsed. Without formal licenses, the server will not support Tivoli Space Management after the expiration date shown.

ANR9625E (AIX) Could not open file file name.

Explanation: The server could not open the license certificate file specified.

System action: The license registration command fails.

User response: Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.
ANR9625I (Linux)  An EVALUATION LICENSE for support of Tivoli Disaster Recovery Manager will expire on expiration date.

**Explanation:** The server is distributed with an evaluation license for Tivoli Disaster Recovery Manager support. If no formal license is found for the server, and the evaluation period has not lapsed, this message is displayed each time the server checks the server license terms.

**System action:** The Tivoli Disaster Recovery Manager license allows customers to store information in the server regarding machines and recovery media, allows management of offsite recovery media, collects and stores information in the server for server recovery, and allows data base and storage pool backups to a device class of type server. The server checks this license when machines or recovery media are defined to the server, when PREPARE or MOVE DRMMEDIA are invoked, and when a data base backup or storage pool backup to a device class of type server are performed to ensure that the server is licensed to perform this function.

**User response:** If you are interested in using the server, contact your service representative to obtain formal licenses for the server before the evaluation period has elapsed. Without formal licenses, the server will not support Tivoli Disaster Recovery Manager after the expiration date shown.

ANR9625I (Solaris)  An EVALUATION LICENSE for support of Tivoli Disaster Recovery Manager will expire on expiration date.

**Explanation:** The server is distributed with an evaluation license for Tivoli Disaster Recovery Manager support. If no formal license is found for the server and the evaluation period has not lapsed, this message is displayed each time the server checks the server license terms.

**System action:** The Tivoli Disaster Recovery Manager license allows customers to store information in the server regarding machines and recovery media, allows management of offsite recovery media, collects and stores information in the server for server recovery, and allows data base and storage pool backups to a device class of type server. The server checks this license when machines or recovery media are defined to the server, when PREPARE or MOVE DRMMEDIA are invoked, and when a data base backup or storage pool backup to a device class of type server are performed to ensure that the server is licensed to perform this function.

**User response:** If you are interested in using the server, contact your service representative to obtain formal licenses for the server before the evaluation period has elapsed. Without formal licenses, the server will not support Tivoli Disaster Recovery Manager after the expiration date shown.

ANR9625I (Windows)  An EVALUATION LICENSE for support of Tivoli Disaster Recovery Manager will expire on expiration date.

**Explanation:** The server is distributed with an evaluation license for Tivoli Disaster Recovery Manager support. If no formal license is found for the server and the evaluation period has not lapsed, this message is displayed each time the server checks the server license terms.

**System action:** The Tivoli Disaster Recovery Manager license allows customers to store information in the server regarding machines and recovery media, allows management of offsite recovery media, collects and stores information in the server for server recovery and allows data base and storage pool backups to a device class of type server. The server checks this license when machines or recovery media are defined to the server, when PREPARE or MOVE DRMMEDIA are invoked and when a data base backup or storage pool backup to a device class of type server are performed to ensure that the server is licensed to perform this function.

**User response:** If you are interested in using the server, contact your service representative to obtain formal licenses for the server before the evaluation period has elapsed. Without formal licenses, the server will not support Tivoli Disaster Recovery Manager after the expiration date shown.

ANR9626E (AIX)  Invalid license certificate file: file name.

**Explanation:** The specified file does not contain valid license certificate information.

**System action:** The license registration command ignores the contents of the file.

**User response:** Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

ANR9627E (AIX)  Cannot access node license lock file: file name.

**Explanation:** The server was not able to access the specified file. The node lock file contains licensing information for the server.

**System action:** The license function fails.

**User response:** Examine the file specification displayed and ensure that the file attributes will allow the server to access the file. The location of the file is either in the directory from which the server is started, or in the directory specified by the DSMSERV_DIR environment variable. Re-specify the DSMSERV_DIR environment variable if this specification is in error. Also ensure that there is sufficient space on the drive.
specified for the file. If the problem persists after these corrections have been made, contact your service representative.

**ANR9628E (Windows)  Unexpected error encountered in iFor/LS (SystemView License Use Management) routine license interface name status=x reported status code.**

**Explanation:** The server encountered an unexpected error in accessing the SystemView License Use Management function specified.

**System action:** The server license monitoring operation fails

**User response:** The SystemView License Use Management product is installed during normal server installation. Check to make sure that the product was installed correctly. If the installation was successful, re-boot your system and re-start the server. If this message continues to be issued, contact your service representative.

**ANR9629E (Windows)  Could not open file file name.**

**Explanation:** The server could not open the license certificate file specified.

**System action:** The license registration command fails.

**User response:** Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

**ANR9630E (Windows)  Invalid license certificate file: file name.**

**Explanation:** The specified file does not contain valid license certificate information.

**System action:** The license registration command ignores the contents of the file.

**User response:** Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

**ANR9631E (Windows)  Cannot access node license lock file: file name.**

**Explanation:** The server was not able to access the specified file. The node lock file contains licensing information for the server.

**System action:** The license function fails.

**User response:** Examine the file specification displayed and ensure that the file attributes will allow the server to access the file. The location of the file is either in the directory from which the server is started, or in the directory specified by the DSMSERV_DIR environment variable. Re-specify the DSMSER-DIR environment variable if this specification is in error. Also ensure that there is sufficient space on the drive specified for the file. If the problem persists after these corrections have been made, contact your service representative.

**ANR9632I (Windows)  Cannot load licensing DLL library: DLL file name: the server will assume evaluation licensing mode.**

**Explanation:** The server was not able to load the specified dynamic link library.

**System action:** Server licensing assumes Try and Buy mode with licenses for 180 days.

**User response:** The named DLL library(ies) are required for the server to support feature licensing. If you are running an evaluation copy of the server, this message should not cause concern and is normal. If the libraries are installed and this message continues to be issued, contact a support representative for assistance.

**ANR9634E (AIX)  command name: No license certificate files were found with the file name specification.**

**Explanation:** The server did not find any license certificate file(s) with the file name specification entered.

**System action:** The license registration command fails.

**User response:** Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. The file name specification indicates the fully qualified file name the server was trying to read. The directory used to locate the license certificate files when no explicit path is provided is determined as follows:

- The directory path pointed by the environmental variable DSMSERV_DIR if this variable is defined
- The current working directory of the server process if the DSMSERV_DIR variable is not defined

If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

**ANR9634E (HP-UX)  command name: No license certificate files were found with the file name specification.**

**Explanation:** The server did not find any license certificate file(s) with the file name specification entered.

**System action:** The license registration command fails.

**User response:** Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. The file name specification indicates the fully qualified file name the server was trying to read. The directory used to locate the license certificate files when no explicit path is provided is determined as follows:

- The directory path pointed by the environmental variable DSMSERV_DIR if this variable is defined
- The current working directory of the server process if the DSMSERV_DIR variable is not defined

If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.
User response: Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

ANR9634E (Linux) command name: No license certificate files were found with the file name specification.

Explanation: The server did not find any license certificate file(s) with the file name specification entered.

System action: The license registration command fails.

User response: Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

ANR9635E (Linux) Invalid license certificate file: file name.

Explanation: The specified file does not contain valid license certificate information.

System action: The license registration command ignores the contents of the file.

User response: Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

ANR9635E (Solaris) Invalid license certificate file: file name.

Explanation: The specified file does not contain valid license certificate information.

System action: The license registration command ignores the contents of the file.

User response: Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

ANR9635E (Windows) Invalid license certificate file: file name.

Explanation: The specified file does not contain valid license certificate information.

System action: The license registration command ignores the contents of the file.

User response: Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

ANR9636E (HP-UX) Could not open file file name.

Explanation: The server could not open the license certificate file specified.

System action: The license registration command fails.
**ANR9636E (Linux) • ANR9637E (Windows)**

**User response:** Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

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**ANR9636E (Linux) Could not open file file name.**

**Explanation:** The server could not open the license certificate file specified.

**System action:** The license registration command fails.

**User response:** Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

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**ANR9636E (Solaris) Could not open file file name.**

**Explanation:** The server could not open the license certificate file specified.

**System action:** The license registration command fails.

**User response:** Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

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**ANR9636E (Windows) Could not open file file name.**

**Explanation:** The server could not open the license certificate file specified.

**System action:** The license registration command fails.

**User response:** Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

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**ANR9637E (Linux) Cannot access node license lock file: file name.**

**Explanation:** The server was not able to access the specified file. The node lock file contains licensing information for the server.

**System action:** The license function fails.

**User response:** Examine the file specification displayed and ensure that the file attributes will allow the server to access the file. The location of the file is either in the directory from which the server is started, or in the directory specified by the DSMSERV_DIR environment variable. Re-specify the DSMSERV_DIR environment variable if this specification is in error. Also ensure that there is sufficient space on the drive specified for the file. If the problem persists after these corrections have been made, contact your service representative.

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**ANR9637E (Solaris) Cannot access node license lock file: file name.**

**Explanation:** The server was not able to access the specified file. The node lock file contains licensing information for the server.

**System action:** The license function fails.

**User response:** Examine the file specification displayed and ensure that the file attributes will allow the server to access the file. The location of the file is either in the directory from which the server is started, or in the directory specified by the DSMSERV_DIR environment variable. Re-specify the DSMSERV_DIR environment variable if this specification is in error. Also ensure that there is sufficient space on the drive specified for the file. If the problem persists after these corrections have been made, contact your service representative.

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**ANR9637E (Windows) Cannot access node license lock file: file name.**

**Explanation:** The server was not able to access the specified file. The node lock file contains licensing information for the server.

**System action:** The license function fails.

**User response:** Examine the file specification displayed and ensure that the file attributes will allow the server to access the file. The location of the file is either in the directory from which the server is started, or in the directory specified by the DSMSERV_DIR environment variable. Re-specify the DSMSERV_DIR environment variable if this specification is in error.
Also ensure that there is sufficient space on the drive specified for the file. If the problem persists after these corrections have been made, contact your service representative.

**ANR9638W (HP-UX) License registration is not supported on this server.**

**Explanation:** The REGISTER LICENSE command fails because the license authorization module cannot be found.

**System action:** Server operation continues; licensing terms are not changed by the REGISTER LICENSE command.

**User response:** The license authorization file is required for formal licensing for the HP-UX server. The file is delivered when the server is purchased, but it is not available in the product service stream or with demonstration copies of the server. If you have purchased the server, contact your service representative for assistance in resolving this problem.

**ANR9638W (Windows) License registration is not supported on this server.**

**Explanation:** The REGISTER LICENSE command fails because the license authorization module cannot be found.

**System action:** Server operation continues; licensing terms are not changed by the REGISTER LICENSE command.

**User response:** The license authorization file is required for formal licensing for the Windows server. The file is delivered when the product is purchased, but it is not available in the product service stream or with demonstration copies of the server. If you have purchased the server, contact your service representative for assistance in resolving this problem.

**ANR9638W (Solaris) License registration is not supported on this server.**

**Explanation:** The REGISTER LICENSE command fails because the license authorization module cannot be found.

**System action:** Server operation continues; licensing terms are not changed by the REGISTER LICENSE command.

**User response:** The license authorization file is required for formal licensing for the Sun Solaris server. The file is delivered when the server is purchased, but it is not available in the product service stream or with demonstration copies of the server. If you have purchased the server, contact your service representative for assistance in resolving this problem.

**ANR9639W (HP-UX) Unable to load shared library.**

**Explanation:** The server module is unable to load the indicated shared library.

**System action:** Server operation continues, but functions that require the shared library will be inoperative.

**User response:** Ensure that the shared library is accessible. If this is an evaluation copy of the server, then this message is normal for the DSMREG library, since the library is only provided with purchased servers. The server licensing will assume "Try and Buy" mode with sample licensed options for a period of time.

**ANR9639W (Linux) Unable to load Shared License File.**

**Explanation:** The server was unable to loaded the shared library.

**System action:** Server operation continues, but functions that require the shared library will be inoperative.

**User response:** Make sure the shared library is accessible/readable. This message is normal for those servers in the Try-N-Buy mode.

**ANR9639W (Solaris) Unable to load Shared License File.**

**Explanation:** The server was unable to loaded the shared library.

**System action:** Server operation continues, but functions that require the shared library will be inoperative.

**User response:** Make sure the shared library is accessible/readable. This message is normal for those servers in the Try and Buy mode.
ANR9640E (HP-UX) • ANR9642E (Linux)

ANR9640E (HP-UX) Unable to load procedure address from shared library.

Explanation: The server module is unable to load the address of a routine in the indicated shared library.

System action: Server operation continues, but the function that requires the shared library will be inoperative.

User response: Ensure that the shared library is accessible. If the problem persists, contact your service representative.

ANR9640E (Linux) Unable to load procedure address from shared library.

Explanation: The server module is unable to load the address of a routine in the indicated shared library for license loading.

System action: Server operation continues, but the function that requires the shared library will be inoperative.

User response: Ensure that the shared library is accessible. If the problem persists, contact your Customer Service Representative.

ANR9640E (Solaris) Unable to load procedure address from shared library.

Explanation: The server module is unable to load the address of a routine in the indicated shared library.

System action: Server operation continues, but the function that requires the shared library will be inoperative.

User response: Ensure that the shared library is accessible. If the problem persists, contact your customer service representative.

ANR9644E (HP-UX) One or more EVALUATION LICENSES will expire on expiration date.

Explanation: Although you are running with a purchased version of the server, there are one or more licenses registered that will expire on the date specified. This is usually the case when you have been using evaluation licenses prior to purchasing the product.

System action: Server operation continues.

User response: Halt the server and erase the nodelock file in the server startup directory. After restarting the server, use the REGISTER LICENSE command to define the licensed features that you have purchased with your server. These licenses should NOT have an expiration date, so this message should not appear after re-registering the proper licenses. If this message persists, contact your service representative.

ANR9644E (Linux) One or more EVALUATION LICENSES will expire on expiration date.

System action: Server operation continues.

User response: Halt the server and erase the nodelock file in the server startup directory. After starting the server, use the REGISTER LICENSE command to define the licensed features that you have purchased with your server. These licenses should NOT have an expiration date, so this message should not appear after re-registering the proper licenses. If this message persists, contact your service representative.

ANR9644E (Solaris) One or more EVALUATION LICENSES will expire on expiration date.

System action: Server operation continues.

User response: Halt the server and erase the nodelock file in the server startup directory. After restarting the server, use the REGISTER LICENSE command to define the licensed features that you have purchased with your server. These licenses should NOT have an expiration date, so this message should not appear after re-registering the proper licenses. If this message persists, contact your service representative.

ANR9642E (HP-UX) The specified license authorization code is invalid.

Explanation: The license authorization code which you entered using the REGISTER LICENSE command is invalid.

System action: No additional licenses are registered. Server operation continues.

User response: Obtain a valid license authorization code and try the command again.

ANR9642E (Linux) The specified license authorization code is invalid.

Explanation: The license authorization code which you entered using the REGISTER LICENSE command is invalid.

System action: No additional licenses are registered. Server operation continues.

User response: Obtain a valid license authorization code and try the command again.
**ANR9653E (HP-UX)** Unexpected error encountered in iFor/LS (SystemView License Use Management) routine license interface name status=x reported status code.

**Explanation:** The server encountered an unexpected error in accessing the SystemView License Use Management function specified.

**System action:** The server license monitoring operation fails.

**User response:** The SystemView License Use Management product is installed during normal AIX server installation. Check to make sure that server was installed correctly. If the installation was successful, re-boot your AIX system and re-start the server. If this message continues to be issued, contact your service representative.

**ANR9654E (HP-UX)** Could not open file file name.

**Explanation:** The server could not open the license certificate file specified.

**System action:** The license registration command fails.

**User response:** Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

**ANR9655E (HP-UX)** Invalid license certificate file: file name.

**Explanation:** The specified file does not contain valid license certificate information.

**System action:** The license registration command ignores the contents of the file.

**User response:** Examine the file specification entered, including wildcard characters, to determine if it names the license certificate file(s) you intended to use. If an error is found, re-try the command with the corrected specification. If an error cannot be found, contact your service representative.

**ANR9656E (HP-UX)** Cannot access node license lock file: file name.

**Explanation:** The server was not able to access the specified file. The node lock file contains licensing information for the server.

**System action:** The license function fails.

**User response:** Examine the file specification displayed and ensure that the file attributes will allow the server to access the file. The location of the file is either in the directory from which the server is started, or in the directory specified by the DSMSERV_DIR environment variable. Re-specify the DSMSERV_DIR environment variable if this specification is in error. Also ensure that there is sufficient space on the drive specified for the file. If the problem persists after these corrections have been made, contact your service representative.
System action: The license function fails.

User response: Examine the file specification displayed and ensure that the file attributes will allow the server to access the file. The location of the file is either in the directory from which the server is started, or in the directory specified by the DSMSERV_DIR environment variable. Re-specify the DSMSERV_DIR environment variable if this specification is in error. Also ensure that there is sufficient space on the drive specified for the file. If the problem persists after these corrections have been made, contact your service representative.

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ANR9676E (AIX)  Error  

Explanation: An error occurred while attempting to attach a shared memory segment for a shared communications session.

System action: The shared memory communications session does not initialize.

User response: Check the AIX documentation for the shmat subroutine and determine what the error number indicates. On AIX, if the error number is EMFILE, make sure the EXTSHM environment variable is set to ON before starting the server. This allows the server to support more than 3 concurrent shared memory sessions.

---

ANR9677E (AIX) Failed to allocate memory for shared memory communications. Error:  

Explanation: An error has occurred when attempting to get memory for the shared communications option.

System action: Shared memory communications will not be activated.

User response: None.

---

ANR9678E (AIX) Failed to allocate message queue for the shared memory communications Error:  

Explanation: An error has occurred when attempting to get memory for the shared communications option.

System action: Shared memory communications will not be activated.

User response: None.

---

ANR9676E (HP-UX)  Error  

Explanation: An error occurred while attempting to attach a shared memory segment for a shared communications session.

System action: The shared memory communications session does not initialize.

User response: Check the AIX documentation for the shmat subroutine and determine what the error number indicates. On AIX, if the error number is EMFILE, make sure the EXTSHM environment variable is set to ON before starting the server. This allows the server to support more than 3 concurrent shared memory sessions.

---

ANR9677E (HP-UX) Failed to allocate memory for shared memory communications. Error:  

Explanation: An error has occurred when attempting to get memory for the shared communications option.

System action: Shared memory communications will not be activated.

User response: None.

---

ANR9678E (HP-UX) Failed to allocate message queue for the shared memory communications Error:  

Explanation: An error has occurred when attempting to get memory for the shared communications option.

System action: Shared memory communications will not be activated.

User response: None.

---

ANR9676E (Linux)  Error  

Explanation: An error occurred while attempting to attach a shared memory segment for a shared communications session.

System action: The shared memory communications session does not initialize.

User response: Check the AIX documentation for the

shmat subroutine and determine what the error number indicates. On AIX, if the error number is EMFILE, make sure the EXTSHM environment variable is set to ON before starting the server. This allows the server to support more than 3 concurrent shared memory sessions.

---

ANR9677E (Linux) Failed to allocate memory for shared memory communications. Error:  

Explanation: An error has occurred when attempting to get memory for the shared communications option.

System action: Shared memory communications will not be activated.

User response: None.

---

ANR9678E (Linux) Failed to allocate message queue for the shared memory communications Error:  

Explanation: An error has occurred when attempting to get memory for the shared communications option.

System action: Shared memory communications will not be activated.

User response: None.
ANR9678E (Linux)  Failed to allocate message queue for the shared memory communications
Error: error text.

Explanation: An error has occurred when attempting to get memory for the shared communications option.
System action: Shared memory communications will not be activated.
User response: None.

ANR9678W (Windows)  File name used for server executable. A server is currently running as a service.

Explanation: The name of the executable used when the server is running as a service cannot be used in the plan file.
System action: PREPARE uses file name identified in the message within the plan file and generation of the plan file continues.
User response: None.

ANR9679W (AIX)  Command: The file file name cannot be found.

Explanation: The specified file cannot be found.
System action: For the default server executable file, the PREPARE command uses /opt/IBMdsms-s/bin/dsmser4.
User response: Determine why the file does not exist and create it if necessary.

ANR9679W (Windows)  Command: Unable to locate file file name.

Explanation: The specified file cannot be found.
System action: PREPARE uses the following default path names in the plan file:
   • For the server executable the default is c:\progra~1\tivoli\tsm\server\dsmserv.
User response: Determine why file does not exist; create if necessary.

ANR9680W (AIX)  Command: Could not obtain AIX logical volume information for volume name while building stanza recovery plan stanza name.

Explanation: This volume is defined to the server but PREPARE cannot obtain logical volume information for it.
System action: The entry for the volume is not included in the recovery plan stanza.
User response: Determine why the file does not exist; create it if necessary.

ANR9680W (HP-UX)  Command: Could not obtain logical volume information for volume name while building stanza recovery plan stanza name.

Explanation: This volume is defined to the server but PREPARE cannot obtain logical volume information for it.
System action: The entry for the volume is not included in the recovery plan stanza.
User response: This message should be preceded by another error message which contains an error code.

ANR9680W (Solaris)  Command: Could not obtain logical volume information for volume name while building stanza recovery plan stanza name.

Explanation: This volume is defined to the server but PREPARE cannot obtain logical volume information for it.
System action: The entry for the volume is not included in the recovery plan stanza.
User response: This message should be preceded by another error message which contains an error code.

ANR9680W (Windows)  Unable to locate path for component in registry.

Explanation: The path to the component could not be found in the registry.
System action: PREPARE uses the following default path names in the plan file:
   • For the components installation directory the default is c:\progra~1\tivoli\tsm\server\
   • For the administrative command line client the default is c:\progra~1\tivoli\tsm\baclient\
   • For the disk formatting utility the default is c:\progra~1\tivoli\tsm\utils\
User response: Determine why path does not exist; install components if necessary.

ANR9681W (AIX)  Command: Volume file name not found while building stanza recovery plan stanza name.

Explanation: This volume is defined to the server but does not exist. The device class associated with the volume is DISK or the device class device type is FILE.
System action: The entry for the volume is not included in the recovery plan stanza.
User response: Determine why the file does not exist; create it if necessary.
ANR9681W (Windows) Command: Volume file name not found while building stanza recovery plan stanza name.

Explanation: This volume is defined to the server but does not exist. The device class associated with the volume is DISK or the device class device type is FILE.

System action: The entry for the volume is not included in the recovery plan stanza.

User response: Determine why file does not exist; create if necessary.

ANR9682E (AIX) Command: Generated file name too long. Length of directory or prefix ‘prefix’ plus ‘name’ exceeds maximum characters characters.

Explanation: The file name generated is too long. The maximum valid length is shown in the message.

System action: The recovery plan file was not created.

User response: Reissue the command specifying a valid prefix. The following commands are used to specify the prefix:
- SET DRMPLANPREFIX
- SET DRMINSTRPREFIX
- PREPARE

ANR9683E (Windows) Command: Cannot generate fully qualified file name for ‘name’.

Explanation: A failure occurred expanding the specified file name.

System action: Recovery plan file not created.

User response: Reissue the command specifying a valid prefix. The following commands are used to specify the prefix:
- SET DRMPLANPREFIX
- SET DRMINSTRPREFIX
- PREPARE

ANR9684E (AIX) Command: Cannot generate server options file name.

Explanation: A failure occurred generating the server options file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.

ANR9684E (Windows) Command: Cannot generate server options file name.

Explanation: A failure occurred generating the server options file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.

ANR9685E (AIX) Command: Cannot generate a volume history file name.

Explanation: A failure occurred generating the volume history file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.

ANR9685E (Windows) Command: Cannot generate a volume history file name.

Explanation: A failure occurred generating the volume history file name.

System action: Recovery plan file not created.

User response: See accompanying messages for more information.
ANR9686E (AIX)  Command: Cannot generate a device configuration file name.
Explanation:  A failure occurred generating the device configuration file name.
System action: Recovery plan file not created.
User response: See accompanying messages for more information.

ANR9686E (Windows)  Command: Cannot generate a device configuration file name.
Explanation:  A failure occurred generating the device configuration file name.
System action: Recovery plan file not created.
User response: See accompanying messages for more information.

ANR9687W (Windows)  Cannot load the Microsoft dll NTMSAPI.DLL. Removable Media Support will not be available.
Explanation:  The Microsoft dll NTMSAPI.DLL is required for removable media. It is usually found in the Windows System32 directory but can be removed if the Windows feature called Removable Media is turned off. In Windows 2008, Removable Media is off by default.
System action: Processing continues.
User response: Ignore this message if storing to a drive or turn on the Removable Media feature in Windows.

ANR9751E  The volume in drive 'drive name' is not compatible with the drive.
Explanation:  The volume cannot be used in the drive. It is most likely an outdated media type that the drive cannot write.
System action: The volume is not labeled.
User response: Remove the volume; replace it with a different type known to work in the drive, or press ENTER to end the program.

ANR9756I  No volumes were found.
Explanation:  No volumes are found in the library. This means that in a 349x ATL, no volumes were found in the insert category (xFF00), and that in a SCSI autochanger, no cartridges were loaded into the library.
System action: The program terminates normally.
User response: Insert cartridges into the library. For a 349x ATL, this may involve changing the category of previously inserted cartridges to be relabeled.

ANR9758W  Error mounting volume 'volume name'.
Explanation:  An error occurs while mounting the volume to the drive. This may not be an error since the volume or drive maybe in use or locked in a shared environment.
System action: The specified volume is bypassed for labeling.
User response: Ensure that the volume is not locked or in use if label is required.

ANR9761E  The path of drive drive name in library library name has been changed from original drive path to new drive path. The new path will not be updated because we can not get the model type using new path.
Explanation:  The drive's new path can not be updated because we detect a different device type compared to the Database using this new path. The problem may be the new path has an incorrect format for the device driver.
System action:  .
User response: The user needs to check if there are two device special file names for the same drive. For AIX, please make sure the IBM drive is /dev/rmt and TSM drive is /dev/mt. For Solaris, please make sure the Solaris native device driver is not installed.

ANR9771E  Volume volume name has an incorrect barcode label describing the volume's WORM type.
Explanation:  In an attempt to CHECKIN or LABEL a volume it was discovered that the volume's true WORM characteristic didn't match that described by its barcode label.
System action: The volume is not checked in.
User response: The volume was probably mislabeled. Find the volume in the library. Simply remove the volume, or swap the barcode label with a label of the opposite WORM characteristic (WORM for non-WORM or vice versa) and retry the check in command.

ANR9774W  Volume volume name should be freed of data as soon as possible.
Explanation:  The server has received an indication from the 3995 that the indicated volume is out of spare sectors for re-allocation. Spare sectors are reserved to take the place of sectors that experience I/O problems. The re-allocation can take place on either a read or write.
System action: The indicated volume is marked read-only by the server.
A MOVE DATA command should be used as soon as possible to move the data from this cartridge to other cartridges in the library. This cartridge should NOT be marked read-write again through the UPDATE VOLUME command.

Error while writing on volume volume name (RC=internal code).

Explanation: An I/O error has occurred while writing on the specified volume.

System action: The operation fails.

User response: Ensure that the 3995 volume is accessible and that the media is usable. Diagnostics may have to be run on the 3995 with the specified volume. If the problem persists, contact your service representative and provide the internal code values from this message. The internal code is returned to the server from the OS/2 operating system.

File file name is being erased and deleted. Data erasure may take several minutes.

Explanation: A file is being deleted from an optical library cartridge. The file is deleted when a LAN3995 device class volume is deleted. File deletion includes erasure of data. The erasure process can take several minutes to complete.

System action: The operation continues.

User response: None.

Unable to establish a communication session with the primary library manager.

Explanation: The requested operation required that a communication session be established with a library manager. The library manager was found to be unavailable at this time.

System action: None.

User response: Verify the primary library manager is up and operational. Once the server is verified to be operational, retry the operation.

Unable to acquire a drive for volume volume name from the library manager.

Explanation: The library manager was unable to assign a drive to the library client. There are a couple of situations that can cause this error.

- All drives are currently allocated to other library clients or the library manager.
- The request for a specific drive cannot be satisfied. This can occur if a drive on the library client side is marked offline or is currently busy with another process.

A communication error occurred during the request to mount a volume.

The requested volume was not present in the library manager's inventory.

System action: None.

User response: Verify that a drive is available on the library manager side and the drive is currently not busy or marked offline on the library client. Set the mount retention on the device class on the library manager and the library clients to a lower value. Using a lower mount retention value can free up drives.

Volume volume name is not mounted in drive from the library drive name.

Explanation: A communication error occurred while dismount the volume.

System action: None.

User response: Verify the library manager is up and operational. Verify that the library manager and library client can communicate using command routing.

Volser volume name was not found to be mounted on the library manager.

Explanation: According to the library manager the requested volume is no longer mounted. The can occurred if the library manager forced the volume to be dismounted because of a communication error.

System action: None.

User response: Verify that the volume has been dismounted.

Primary Library Manager primary library manager name is NOT defined as a server.

Explanation: The primary library manager server has not be defined to this server.

System action: None.

User response: Define the server to this server using the DEFINE SERVER command.

Primary Library Manager does not contain a valid value.

Explanation: The primary library manager server has not be defined to this server.

System action: None.

User response: Define the server to this server using the DEFINE SERVER command.
ANR9784E  Secondary Library Manager secondary library manager name is NOT defined as a server.

Explanation: The secondary library manager server name has not been defined to this server.

System action: None.

User response: Define the server to this server using the DEFINE SERVER command.

ANR9785E  Drive drive name, is not defined on the library manager.

Explanation: A drive is being defined that does not exist or being managed by the library manager.

System action: None.

User response: Verify drive name with the library manager.

ANR9786E  A communication error has occurred. Operation ending.

Explanation: A communication error occurred.

System action: None.

User response: Verify the status of all drives are currently online and not in use by other library clients or the library manager itself. Free up drive resources as needed.

ANR9787E  The owner name specified is not defined to this server.

Explanation: A command was issued specifying ownership of a volume. The name of the owner given was not defined to this server.

System action: None.

User response: Define the server to this server using the DEFINE SERVER command.

ANR9788E  Command: Library library name is not defined - the primary library manager not defined.

Explanation: The designated library is not defined because the primary library manager is not defined as a server to this server.

System action: The command is not processed.

User response: Define the server to this server using the DEFINE SERVER command.

ANR9789E  Command: Library library name is not defined - the secondary library manager not defined.

Explanation: The designated library is not defined because the secondary library manager is not defined as a server to this server.

System action: The command is not processed.

User response: Define the server to this server using the DEFINE SERVER command.

ANR9790W  Request to mount volume Volume Name for library client Library Client Name failed.

Explanation: A library client requested a volume to be mounted by the library manager, which in turn failed.

System action: None.

User response: Verify the status of all drives are currently online and not in use by other library clients or the library manager itself. Free up drive resources as needed.

ANR9791I  Volume Volume Name in library Library Name ownership is changing from Current volume owner to New Volume owner.

Explanation: In a shared library, the volume ownership has been changed from current owner to new owner.

System action: None.

User response: None.

ANR9792E  Library Library Name on library manager Library Manager Name is currently not being shared.

Explanation: A define library command attempted to define a shared library that was not being shared by the library manager.

System action: None.

User response: Verify the library on the library manager is being shared. If the library is not being shared, update the library shared status to yes.

ANR9793I  process name in library library name: CANCEL PENDING.

Explanation: In response to a QUERY PROCESS command, this message displays the status for a process on the server. The command was started, but the process was canceled by an administrator.

System action: The background process operation is being terminated.

User response: None.
ANR9794E Unable to load the RSM dynamic link library.

Explanation: The server module is unable to load the indicated dynamic link library.

System action: Server operation continues, but the function that requires the dynamic link library will be inoperative.

User response: Ensure that the installed Windows version supports RSM. Ensure that the Removable Storage Manager is installed and the system DLL is accessible.

ANR9795E Command: Invalid storage agent name.

Explanation: The designated storage agent name is invalid; either it contains too many characters, or some of the characters are invalid.

System action: The command is not processed.

User response: Reissue the command using a valid storage agent name.

ANR9796E Command: Drive mapping is already defined for drive drive name in library library name on storage agent storage agent name.

Explanation: The designated drive mapping cannot be defined because it has already been defined for the specified drive, library, and storage agent.

System action: The command is not processed.

User response: If you want to define an additional drive mapping, reissue the command with a different drive name.

ANR9797E Command: Drive mapping for drive drive name is not defined in library library name on storage agent storage agent name.

Explanation: The designated drive map has not been defined for the given drive in the given library on the given storage agent.

System action: The command is not processed.

User response: Reissue the command using a different drive name. If appropriate, define the drive before retrying the command.

ANR9798E Command: One or more paths are still defined for drive drive name in library library name.

Explanation: The designated drive cannot be deleted because there are still paths defined for it.

System action: The command is not processed.

User response: Delete all paths for the drive, and reissue the command.

ANR9799E Command: Library Library Name is currently not being shared.

Explanation: The command attempted to perform an operation that is not allowed unless the library is allowed to be shared.

System action: None.

User response: Verify the library on the library manager is being shared. If the library is not being shared, update the library shared parameter to yes.

ANR9800E Library Library Name is currently not being shared and attempted an operation only allowed for shared libraries.

Explanation: The command attempted to perform an operation that is not allowed unless the library is allowed to be shared.

System action: None.

User response: Verify the library on the library manager is being shared. If the library is not being shared, update the library shared parameter to yes.

ANR9801I (Windows) ANR9801: Ready for operations.

Explanation: The device driver has successfully initialized and is ready to accept requests from the server.

System action: Processing continues.

User response: None.

ANR9803W (Windows) ANR9803: ERROR! Insufficient free memory to initialize driver.

Explanation: The server device driver is unable to initialize due to an inability to acquire dynamic storage.

System action: Processing continues. The device driver is not available to process requests from the server.

User response: For minimum storage requirements, refer to Licensed Program Specifications/2. You must have sufficient memory in your system to initialize Windows and the device drivers you want to use.

ANR9810I (Windows) ANR9810: SCSI Tape Device Driver Initializing...

Explanation: The server SCSI tape device driver has been invoked by the system and is initializing.

System action: Processing continues.
User response: None.

ANR9820I (Windows)  ANR820: SCSI Autochanger
Device Driver Initializing...
Explanation: The server SCSI automatic changer
device driver has been invoked by the system and is
initializing.
System action: Processing continues.
User response: None.

ANR9900W (AIX)  Attention -- Accounting records
could not be written to the file: filespec.
Explanation: The server detects an error while trying
to open the accounting file.
System action: Server processing continues.
User response: Ensure that there is sufficient disk
space and that the accounting file is not marked as
read-only.

ANR9900W (HP-UX)  Attention -- Accounting records
could not be written to the file: file name.
Explanation: The server detects an error while trying
to open the accounting file.
System action: Server processing continues, but no
accounting records are written.
User response: Ensure that there is sufficient disk
space and that the accounting file is not marked as
read-only.

ANR9900W (Linux)  Attention -- Accounting records
could not be written to the file: file name.
Explanation: The server detects an error while trying
to open the accounting file.
System action: Server processing continues, but no
accounting records are written.
User response: Ensure that there is sufficient disk
space and that the accounting file is not marked as
read-only.

ANR9900W (Solaris)  Attention -- Accounting records
could not be written to the file: file name.
Explanation: The server detects an error while trying
to open the accounting file.
System action: Server processing continues.
User response: Ensure that there is sufficient disk
space and that the accounting file is not marked as
read-only.
ANR9901W (Windows) • ANR9905W (AIX)

ANR9901W (Windows)  Attention -- Accounting records could not be written to the file: filespec.
Explanation: The server detects an error while trying to write an accounting record.
System action: Server processing continues.
User response: Ensure that there is sufficient disk space and that the accounting file is not marked as read-only.

ANR9902W (AIX)  Attention -- Accounting records could not be written to the file: filespec.
Explanation: The server detects an error while trying to close the accounting file.
System action: Server processing continues.
User response: Ensure that sufficient disk space is available and that the accounting file is not marked as read-only.

ANR9902W (HP-UX)  Attention -- Accounting records could not be written to the file: file name.
Explanation: The server detects an error while trying to close the accounting file.
System action: Server processing continues.
User response: Ensure that there is sufficient disk space and that the accounting file is not marked as read-only.

ANR9902W (Linux)  Attention -- Accounting records could not be written to the file: file name.
Explanation: The server detects an error while trying to close the accounting file.
System action: Server processing continues.
User response: Ensure that there is sufficient disk space and that the accounting file is not marked as read-only.

ANR9902W (Solaris)  Attention -- Accounting records could not be written to the file: file name.
Explanation: The server detects an error while trying to close the accounting file.
System action: Server processing continues.
User response: Ensure that there is sufficient disk space and that the accounting file is not marked as read-only.

ANR9903W (HP-UX)  Create thread failed. Your system is configured for a maximum of thread count threads. Consider configuring a maximum of 1024 threads.
Explanation: The server is unable to create a new thread.
System action: Server processing continues.
User response: Consider increasing the maximum thread count on the system.

ANR9904W (AIX)  Need to run as root for function function to open the HBA for failover support.
Explanation: There will be no tape failover support function since this TSM server does not run as root.
System action: Server processing continues.
User response: Ensure to login as root for TSM tape failover function to open HBA.

ANR9904W (HP-UX)  Create thread failed. Try the operation again later.
Explanation: The server is unable to create a new thread due to resource constraints.
System action: Server processing continues.
User response: Try the operation again later.

ANR9905W (AIX)  Unable to open file file. Error message generated by AIX
Explanation: The server was unable to open the indicated file.
System action: The operation that was to use the indicated file fails.
User response: Determine the reason for being unable to open the file and re-attempt the operation. Common reasons for being unable to open the file include providing the wrong name, having insufficient authorization to open the file and not being the file's owner.
ANR9905W (HP-UX)  Unable to open file file. Error message generated by HP-UX.

Explanation: The server was unable to open the indicated file.

System action: The operation that was to use the indicated file fails.

User response: Determine the reason for being unable to open the file and re-attempt the operation. Common reasons for being unable to open the file include providing the wrong name, having insufficient authorization to open the file and not being the file's owner.

ANR9905W (Linux)  Unable to open file file. Error message generated by Linux.

Explanation: The server was unable to open the indicated file.

System action: The operation that was to use the indicated file fails.

User response: Determine the reason for being unable to open the file and re-attempt the operation. Common reasons for being unable to open the file include providing the wrong name, having insufficient authorization to open the file and not being the file's owner.

ANR9905W (Solaris)  Unable to open file file. Error message generated by Solaris.

Explanation: The server was unable to open the indicated file.

System action: The operation that was to use the indicated file fails.

User response: Determine the reason for being unable to open the file and re-attempt the operation. Common reasons for being unable to open the file include providing the wrong name, having insufficient authorization to open the file and not being the file's owner.


Explanation: The server was unable to open the indicated file.

System action: The operation that was to use the indicated file fails.

User response: Determine the reason for being unable to open the file and re-attempt the operation. Common reasons for being unable to open the file include providing the wrong name, having insufficient authorization to open the file and not being the file's owner.

ANR9906E (AIX) The volume named volume name is larger than is allowed for a volume on your system. Maximum allowed size is allowed size.

Explanation: While attempting to open a volume the server detected that the volume size exceeds the maximum allowed.

System action: The operation fails.

User response: Define multiple smaller volumes.

ANR9950W (Windows)  Attention -- License option could not be written to the file: filespec.

Explanation: The server detects an error while trying to write to the options file.

System action: Server processing continues.

User response: Ensure that there is sufficient disk space and that the options file is not marked as read-only.

ANR9951W (Windows)  Attention -- License option could not be written to the file: filespec.

Explanation: The server detects an error while trying to close the options file.

System action: Server processing continues.

User response: Ensure that there is sufficient disk space and that the options file is not marked as read-only.

ANR9952E (Windows)  Command: Invalid value specified for licensed storage capacity - value.

Explanation: The specified command has been issued with an invalid value.

System action: Server operation continues, but the command is not processed.

User response: Issue the command using a valid value.

ANR9953E (Windows)  Command: Invalid value specified for number of licensed clients - value.

Explanation: The specified command has been issued with an invalid value.

System action: Server operation continues, but the command is not processed.

User response: Issue the command using a valid value.
### ANR9955W (Windows) Unable to load dynamic link library

**Explanation:** The server module is unable to load the indicated dynamic link library.

**System action:** Server operation continues, but the function that requires the dynamic link library will be inoperative.

**User response:** Ensure that the dynamic link library directories are accessible. If this is an evaluation copy of the server, then this message is normal for the DSMREG library, since the library is only provided with purchased Windows servers. The server licensing will assume “Try and Buy” mode with sample licensed options for a period of time.

### ANR9956E (Windows) Unable to load procedure address from dynamic link library

**Explanation:** The server module is unable to load the address of a routine in the indicated dynamic link library.

**System action:** Server operation continues, but the function that requires the dynamic link library will be inoperative.

**User response:** Ensure that the dynamic link library directories are accessible. If the problem persists, contact your service representative.

### ANR9957W (Windows) One or more EVALUATION LICENSES will expire on expiration date.

**Explanation:** Although you are running with a purchased version of the server, there are one or more licenses registered that will expire on the date specified. This is usually the case when you have been using evaluation licenses prior to purchasing the server for Windows.

**System action:** Server operation continues.

**User response:** Halt the server and erase the nodelock file in the server startup directory. After restarting the server, use the REGISTER LICENSE command to define the licensed features that you have purchased with your Windows server. These licenses should NOT have an expiration date, so this message should not appear after re-registering the proper licenses. If this message persists, contact your service representative.

### ANR9958W (Windows) Node entry node name was removed from this server's definition in Active Directory.

**Explanation:** In response to a REMOVE NODE command, the requested backup-archive node has been removed from this server's definition in Active Directory.

### ANR9959W (Windows) Node entry node name was not removed from this server's definition in Active Directory.

**Explanation:** In response to a REMOVE NODE command, the requested backup-archive node has not been removed from this server's definition in Active Directory.

**System action:** None.

**User response:** To remove a node entry in the Active Directory, the option “adunregister” has to be set to “yes” in the server options file. A domain controller must also be available. The Active Directory Configuration wizard can be used to manually update the server definition.

### ANR9960W (Windows) Node entry node name has been added to this server's definition in Active Directory.

**Explanation:** The requested backup-archive node entry has been added to this server's definition in Active Directory in response to a REGISTER NODE command.

**System action:** None.

**User response:** None.

### ANR9961W (Windows) Node entry node name has not been added to this server's definition in Active Directory.

**Explanation:** The requested backup-archive node entry has not been added to this server's definition in Active Directory in response to a REGISTER NODE command.

**System action:** None.

**User response:** To register a node entry in the Active Directory, the option “adregister” has to be set to “yes” in the server options file. A domain controller must also be available. The Active Directory Configuration wizard can be used to manually update the server definition.

### ANR9962W (Windows) Node entry node name was renamed in this server's definition in Active Directory.

**Explanation:** In response to a RENAME NODE command, the requested backup-archive node has been renamed to the new name shown.

**System action:** None.

**User response:** None.
ANR9963W (Windows)  Node entry node name was not renamed in this server's definition in Active Directory.

Explanation: In response to a RENAME NODE command, the requested backup-archive node has not been renamed.

System action: None.

User response: To Rename Node in the Active Directory, the options "adregister" and "adunregister" have to be set to "yes" in the server options file. A domain controller must also be available. The Active Directory Configuration wizard can be used to manually update the server definition.

ANR9964W (Windows)  Failed to access Active Directory. RC: return code

Explanation: Could not communicate with an Active Directory server.

System action: Server operation continues.

User response: Try using the option "adsetdc" in the server options file to explicitly provide the TCP/IP address of the domain controller where Active Directory is located.

ANR9965W (Windows)  Could not create the initial node list in Active Directory for this server.

Explanation: At startup the server's registered nodes could not be added to the server definition in Active Directory.

System action: Server operation continues.

User response: Try using the option "adsetdc" in the server options file to explicitly provide the TCP/IP address of the domain controller where Active Directory is located.

ANR9966I (Windows)  NodeName node name.

Explanation: The NodeName is registered in Active Directory.

System action: Server operation continues.

User response: None.

ANR9967I (Windows)  Server server name was defined in Active Directory.

Explanation: The server is registered in Active Directory.

System action: None.

User response: None.

ANR9968I (Windows)  Success accessing Active Directory.

Explanation: Active Directory Server could be contacted.

System action: None.

ANR9969E (Windows)  Unable to open volume volume name. The most likely reason is that another TSM server is running and has the volume allocated.

Explanation: Only one TSM server can have a given volume open at a time.

System action: The TSM server does not start.

User response: See if another TSM server is already running and if so use it.

ANR9999D  (component)(code)(text)

Explanation: The diagnostic text of this message is related to a server process or algorithm. The information is intended for reporting processing exceptions and other non-standard situations that occur on the server. The (component), (code), and (text) vary, and server processing may continue, depending upon the cause of the message and the server process or algorithm issuing the message.

System action: Issue the SET CONTEXTMESSAGING command and set the message context reporting to ON. This allows you to receive additional information when the server produces its message. See the Administrator's Reference for more information.

User response: Examine any error messages that were displayed before or after this message and correct any problems, if possible. If you cannot determine or resolve the cause of this message, contact your support representative. Report the entire text of this message when contacting your support representative.
Chapter 4. Descriptions of I/O codes in server messages

IBM Tivoli Storage Manager messages can contain I/O (input/output) codes. The codes can be operation codes, completion codes, ASC and ASCQ codes.

Code descriptions are provided for I/O error messages from the Tivoli Storage Manager server for all supported operating systems.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OP</td>
<td>I/O operation that failed. These values can be displayed:</td>
</tr>
<tr>
<td></td>
<td>• READ</td>
</tr>
<tr>
<td></td>
<td>• WRITE</td>
</tr>
<tr>
<td></td>
<td>• FSR (forward space record)</td>
</tr>
<tr>
<td></td>
<td>• RSR (reverse space record)</td>
</tr>
<tr>
<td></td>
<td>• FSF (forward space file)</td>
</tr>
<tr>
<td></td>
<td>• RSF (reverse space file)</td>
</tr>
<tr>
<td></td>
<td>• WEOF (write end of file mark)</td>
</tr>
<tr>
<td></td>
<td>• OFFL (rewind and unload the tape)</td>
</tr>
<tr>
<td></td>
<td>• REW (rewind)</td>
</tr>
<tr>
<td></td>
<td>• FLUSH (flush)</td>
</tr>
<tr>
<td></td>
<td>• GET_MEDIUM_INFO (get medium information)</td>
</tr>
<tr>
<td></td>
<td>• LOAD_DISPLAY (load display)</td>
</tr>
<tr>
<td></td>
<td>• LOCATE (locate)</td>
</tr>
<tr>
<td></td>
<td>• QRYLBP (query logical block protection)</td>
</tr>
<tr>
<td></td>
<td>• RDBLKID (read block ID)</td>
</tr>
<tr>
<td></td>
<td>• SETLBP (set logical block protection)</td>
</tr>
<tr>
<td></td>
<td>• SETMODE (set mode)</td>
</tr>
<tr>
<td></td>
<td>• REW (rewind)</td>
</tr>
<tr>
<td></td>
<td>• SPACEEOD (space end of data)</td>
</tr>
<tr>
<td></td>
<td>• TESTREADY (test drive ready)</td>
</tr>
<tr>
<td>CC</td>
<td>I/O completion code. This value is returned by the device driver to the server when an error occurs. See &quot;Completion code and operation code values overview&quot; on page 748 for a list of completion codes. See the IBM TotalStorage Tape Device Drivers Installation and User’s Guide for information about tape library system calls and error descriptions for the library I/O control requests.</td>
</tr>
<tr>
<td>KEY</td>
<td>Byte 2 of the sense bytes from the error. The following lists some definitions:</td>
</tr>
<tr>
<td></td>
<td>0 = no additional sense bytes available</td>
</tr>
<tr>
<td></td>
<td>1 = recovered error</td>
</tr>
<tr>
<td></td>
<td>2 = not ready</td>
</tr>
<tr>
<td></td>
<td>3 = medium error</td>
</tr>
<tr>
<td></td>
<td>4 = hardware error</td>
</tr>
<tr>
<td></td>
<td>5 = incorrect request</td>
</tr>
<tr>
<td></td>
<td>6 = unit attention (for example, a SCSI bus reset)</td>
</tr>
<tr>
<td></td>
<td>7 = data protect</td>
</tr>
</tbody>
</table>
ASC/ASCQ
Additional sense codes (ASC) and additional sense code qualifiers (ASCQ) are bytes 12 and 13 of the sense bytes. See the sense byte number along with the value for a complete description of standard ASC and ASCQ codes. The drive or library reference manual provided with the device contains tables explaining the values of the KEY, ASC, and ASCQ fields. "Descriptions of standard ASC and ASCQ codes" on page 752 provides additional information about standard values of ASC and ASCQ codes.

Operating system error codes
When a command fails, the operating system returns an error number. To determine what the error codes mean, take the following action:

On AIX, HP-UX, Solaris, and Linux platforms, view the errno.h file in the /usr/include/sys directory. This file provides definitions for error codes.

On Windows platforms, contact Microsoft Support at http://support.microsoft.com/ for help with error messages.

Completion code and operation code values overview
IBM Tivoli Storage Manager device drivers provide operation codes and completion codes. Tivoli Storage Manager messages can contain device driver operation codes and completion codes.

Device drivers completion codes: Common codes
Tivoli Storage Manager device drivers provide completion codes that are common to all device classes.

The following table shows common completion code values for Tivoli Storage Manager device drivers. Each entry provides a description for the I/O error message and the recommended action. After completing the recommended action, try the failing operation again.

<table>
<thead>
<tr>
<th>Decimal</th>
<th>Hexadecimal</th>
<th>Description</th>
<th>Recommended action</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>'XC8'</td>
<td>The device indicated a failure condition, but sense data was unavailable.</td>
<td>Try the failing operation again.</td>
</tr>
<tr>
<td>201</td>
<td>'XC9'</td>
<td>The device driver failed.</td>
<td>Contact Tivoli Storage Manager Support.</td>
</tr>
<tr>
<td>202</td>
<td>'XCA'</td>
<td>The device EEPROM failed.</td>
<td>Test the device. Service the device if necessary.</td>
</tr>
<tr>
<td>203</td>
<td>'XCB'</td>
<td>Manual intervention is required.</td>
<td>Correct the problem on the device. The problem can be a stuck tape, dirty heads, or a jammed library arm.</td>
</tr>
<tr>
<td>Decimal</td>
<td>Hexadecimal</td>
<td>Description</td>
<td>Recommended action</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>204</td>
<td>X’CC’</td>
<td>The system recovered from an I/O error; for your information only.</td>
<td>No action necessary.</td>
</tr>
<tr>
<td>205</td>
<td>X’CD’</td>
<td>The SCSI adapter failed.</td>
<td>Check for loose cables, bent pins, bad cables, bad SCSI adapters, improper termination, or bad terminators.</td>
</tr>
<tr>
<td>206</td>
<td>X’CE’</td>
<td>A general SCSI failure occurred.</td>
<td>Check for loose cables, bent pins, bad cables, bad SCSI adapters, improper termination, or bad terminators.</td>
</tr>
<tr>
<td>207</td>
<td>X’CF’</td>
<td>The device cannot perform the requested action.</td>
<td>Ensure that the device is on and ready. Ensure that the drive was defined appropriately with the <code>DEFINE DRIVE</code> command. Ensure that the device class was defined appropriately with the <code>DEFINE DEVCLASS</code> command.</td>
</tr>
<tr>
<td>208</td>
<td>X’D0’</td>
<td>The command stopped.</td>
<td>Contact Tivoli Storage Manager Support.</td>
</tr>
<tr>
<td>209</td>
<td>X’D1’</td>
<td>A failure is detected in the device microcode.</td>
<td>Check the microcode level of the drive. Contact the drive manufacturer and request the latest level.</td>
</tr>
<tr>
<td>210</td>
<td>X’D2’</td>
<td>The device was reset due to device power-up, SCSI bus reset, or manual tape load/eject.</td>
<td>Try the failing operation again.</td>
</tr>
<tr>
<td>211</td>
<td>X’D3’</td>
<td>The SCSI bus is busy.</td>
<td>Ensure that the SCSI IDs are correctly assigned to the correct device, and the device is not being accessed by another process.</td>
</tr>
<tr>
<td>212</td>
<td>X’D4’</td>
<td>Persistent reservation is not supported on this device.</td>
<td>No action is necessary.</td>
</tr>
<tr>
<td>213</td>
<td>X’D5’</td>
<td>A persistent reservation operation failed.</td>
<td>Reset the device and try the operation again. If the problem persists, contact Tivoli Storage Manager Support.</td>
</tr>
</tbody>
</table>

**Device drivers completion codes: Media changers**

Tivoli Storage Manager device drivers provide completion codes that are specific to media changer devices.

The following table shows completion code values for Tivoli Storage Manager device drivers for media changers. Each entry provides a description for the I/O error message and the recommended action. After performing the recommended action, try the failing operation again.

<table>
<thead>
<tr>
<th>Decimal</th>
<th>Hexadecimal</th>
<th>Description</th>
<th>Recommended action</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>X’12C’</td>
<td>Cartridge entry/exit error</td>
<td>Check the entry/exit ports for a jammed volume.</td>
</tr>
<tr>
<td>301</td>
<td>X’12D’</td>
<td>Cartridge load failure</td>
<td>Check the drive for jammed volumes. On AIX, display the errpt to check for hardware errors.</td>
</tr>
</tbody>
</table>
Table 2. Completion code values for media changers (continued)

<table>
<thead>
<tr>
<th>Decimal</th>
<th>Hexadecimal</th>
<th>Description</th>
<th>Recommended action</th>
</tr>
</thead>
<tbody>
<tr>
<td>302</td>
<td>X'12E'</td>
<td>Cartridge in failed drive</td>
<td>Check the drive for jammed volumes. On AIX, display the errpt to check for hardware errors.</td>
</tr>
<tr>
<td>303</td>
<td>X'12F'</td>
<td>Carousel not loaded</td>
<td>Ensure that the carousel is correctly in place and the door is shut.</td>
</tr>
<tr>
<td>304</td>
<td>X'130'</td>
<td>Changer failure</td>
<td>On AIX, display the errpt to check for hardware errors.</td>
</tr>
<tr>
<td>305</td>
<td>X'131'</td>
<td>Drive failure</td>
<td>Ensure that the heads are clean. On AIX, display the errpt to check for hardware errors.</td>
</tr>
<tr>
<td>306</td>
<td>X'132'</td>
<td>Drive or media failure</td>
<td>Ensure that the heads are clean. On AIX, display the errpt to check for hardware errors.</td>
</tr>
<tr>
<td>307</td>
<td>X'133'</td>
<td>Entry/exit failure</td>
<td>Contact Tivoli Storage Manager Support.</td>
</tr>
<tr>
<td>308</td>
<td>X'134'</td>
<td>Entry/exit port not present</td>
<td>Contact Tivoli Storage Manager Support.</td>
</tr>
<tr>
<td>309</td>
<td>X'135'</td>
<td>Library audit error</td>
<td>Ensure that there are no jammed volumes. It is possible that the library audit is failing due to hardware errors. On AIX, display the errpt to check for hardware errors.</td>
</tr>
<tr>
<td>310</td>
<td>X'136'</td>
<td>Library full</td>
<td>Check for jammed volumes. Ensure that the volumes are not rearranged. If the library is not full, start the <code>AUDIT LIBRARY</code> command.</td>
</tr>
<tr>
<td>311</td>
<td>X'137'</td>
<td>Media export</td>
<td>Contact Tivoli Storage Manager Support.</td>
</tr>
<tr>
<td>312</td>
<td>X'138'</td>
<td>Slot failure</td>
<td>Ensure that nothing is jammed in the slot.</td>
</tr>
<tr>
<td>313</td>
<td>X'139'</td>
<td>Slot or media failure</td>
<td>Ensure that the volume is not jammed in the slot and that the volumes are not rearranged. If the problem persists, start the <code>AUDIT LIBRARY</code> command.</td>
</tr>
<tr>
<td>314</td>
<td>X'13A'</td>
<td>The source slot or drive was empty in an attempt to move a volume</td>
<td>Ensure that the volumes are not rearranged. If the problem persists, start the <code>AUDIT LIBRARY</code> command.</td>
</tr>
<tr>
<td>315</td>
<td>X'13B'</td>
<td>The destination slot or drive was full in an attempt to move a volume</td>
<td>Ensure that the volumes are not rearranged, or that a volume is not stuck in the drive. If problem persists, start the <code>AUDIT LIBRARY</code> command.</td>
</tr>
<tr>
<td>316</td>
<td>X'13C'</td>
<td>Cleaner cartridge installed</td>
<td>Contact Tivoli Storage Manager support.</td>
</tr>
<tr>
<td>317</td>
<td>X'13D'</td>
<td>Media not ejected</td>
<td>Ensure that the volumes are not rearranged, or that a volume is not stuck in the drive. If problem persists, start the <code>AUDIT LIBRARY</code> command.</td>
</tr>
<tr>
<td>318</td>
<td>X'13E'</td>
<td>I/O port not configured</td>
<td>Contact Tivoli Storage Manager Support.</td>
</tr>
</tbody>
</table>
Table 2. Completion code values for media changers (continued)

<table>
<thead>
<tr>
<th>Decimal</th>
<th>Hexadecimal</th>
<th>Description</th>
<th>Recommended action</th>
</tr>
</thead>
<tbody>
<tr>
<td>319</td>
<td>X’13F’</td>
<td>First destination empty</td>
<td>Ensure that the volumes are not rearranged. If problem persists, start the AUDIT LIBRARY command.</td>
</tr>
<tr>
<td>320</td>
<td>X’140’</td>
<td>No inventory information</td>
<td>Start the AUDIT LIBRARY command.</td>
</tr>
<tr>
<td>321</td>
<td>X’141’</td>
<td>Read element status mismatch</td>
<td>Contact Tivoli Storage Manager Support.</td>
</tr>
<tr>
<td>322</td>
<td>X’142’</td>
<td>Initialize range failed</td>
<td>Contact Tivoli Storage Manager Support.</td>
</tr>
</tbody>
</table>

Device drivers completion codes: Tape drives

Tivoli Storage Manager device drivers provide completion codes that are specific to tape drives.

The following table shows completion code values for Tivoli Storage Manager device drivers for tape drives. Each entry provides a description for the I/O error message and the recommended action. After trying the recommended action, try the failing operation again.

Table 3. Completion code values for tape drives

<table>
<thead>
<tr>
<th>Decimal</th>
<th>Hexadecimal</th>
<th>Description</th>
<th>Recommended action</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>X’190’</td>
<td>Physical end of media</td>
<td>Ensure that the heads are clean on the drive.</td>
</tr>
<tr>
<td>401</td>
<td>X’191’</td>
<td>End of data detected</td>
<td>Contact Tivoli Storage Manager Support.</td>
</tr>
<tr>
<td>402</td>
<td>X’192’</td>
<td>Media corrupted</td>
<td>Ensure that the heads are clean and the media is not physically damaged or too old.</td>
</tr>
<tr>
<td>403</td>
<td>X’193’</td>
<td>Media failure</td>
<td>Ensure that the heads are clean and the media is not physically damaged or too old.</td>
</tr>
<tr>
<td>404</td>
<td>X’194’</td>
<td>Media incompatibility</td>
<td>Ensure that the correct length and type of media is being used.</td>
</tr>
<tr>
<td>406</td>
<td>X’196’</td>
<td>Sector that is requested is invalid</td>
<td>Internal server error. Contact Tivoli Storage Manager Support.</td>
</tr>
<tr>
<td>407</td>
<td>X’197’</td>
<td>Write protect</td>
<td>Ensure that the volume is not write protected.</td>
</tr>
<tr>
<td>408</td>
<td>X’198’</td>
<td>Clean the media and the drive</td>
<td>Clean the drive heads with a cleaning cartridge that is not too old.</td>
</tr>
<tr>
<td>409</td>
<td>X’199’</td>
<td>Media fault</td>
<td>Clean the heads and ensure that the media is not physically damaged or too old.</td>
</tr>
<tr>
<td>410</td>
<td>X’19A’</td>
<td>Cleaning complete</td>
<td>Try the failing operation again.</td>
</tr>
<tr>
<td>411</td>
<td>X’19B’</td>
<td>Logical end of media</td>
<td>Contact Tivoli Storage Manager Support.</td>
</tr>
<tr>
<td>412</td>
<td>X’19C’</td>
<td>Media not present in drive</td>
<td>Ensure that the media is correctly positioned in the drive. If problem persists, start the AUDIT LIBRARY command.</td>
</tr>
<tr>
<td>413</td>
<td>X’19D’</td>
<td>Encountered the beginning of the media</td>
<td>Contact Tivoli Storage Manager Support.</td>
</tr>
</tbody>
</table>
### Descriptions of standard ASC and ASCQ codes

Standard ASC and ASCQ codes are described.

This section provides descriptions of standard ASC (Additional Sense Code) and ASCQ (Additional Sense Code Qualifier) codes. The ASC and ASCQ codes are bytes 12 and 13 for SCSI-2 devices. On Windows systems these codes are displayed in the Windows Event Log, but the information is in different bytes.

See server message ANR8300E or ANR8302E for the recommended action.

The following table provides standard descriptions for some ASC and ASCQ codes. Each value has a prefix of 0x, which indicates that it is a hexadecimal constant. Note that descriptions vary among devices. For an accurate description of ASC and ASCQ codes for any device, see the documentation that comes with the device.

#### Table 4. Descriptions of standard ASC and ASCQ codes

<table>
<thead>
<tr>
<th>ASC</th>
<th>ASCQ</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x00</td>
<td>0x00</td>
<td>No additional sense</td>
</tr>
<tr>
<td>0x00</td>
<td>0x01</td>
<td>Filemark detected</td>
</tr>
<tr>
<td>0x00</td>
<td>0x02</td>
<td>End-of-medium detected</td>
</tr>
<tr>
<td>0x00</td>
<td>0x03</td>
<td>Setmark detected</td>
</tr>
<tr>
<td>0x00</td>
<td>0x04</td>
<td>Beginning of medium</td>
</tr>
<tr>
<td>0x00</td>
<td>0x05</td>
<td>End of data</td>
</tr>
<tr>
<td>ASC</td>
<td>ASCQ</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>0x00</td>
<td>0x06</td>
<td>I/O process terminated</td>
</tr>
<tr>
<td>0x02</td>
<td>0x00</td>
<td>No seek complete</td>
</tr>
<tr>
<td>0x03</td>
<td>0x00</td>
<td>Device write fault</td>
</tr>
<tr>
<td>0x03</td>
<td>0x01</td>
<td>No write current</td>
</tr>
<tr>
<td>0x03</td>
<td>0x02</td>
<td>Excessive write errors</td>
</tr>
<tr>
<td>0x04</td>
<td>0x00</td>
<td>Logical unit not ready</td>
</tr>
<tr>
<td>0x04</td>
<td>0x01</td>
<td>Becoming ready</td>
</tr>
<tr>
<td>0x04</td>
<td>0x02</td>
<td>Not ready, initializing command required</td>
</tr>
<tr>
<td>0x04</td>
<td>0x03</td>
<td>Not ready, manual intervention required</td>
</tr>
<tr>
<td>0x05</td>
<td>0x00</td>
<td>No response to select</td>
</tr>
<tr>
<td>0x06</td>
<td>0x00</td>
<td>No reference position found</td>
</tr>
<tr>
<td>0x07</td>
<td>0x00</td>
<td>Multiple devices selected</td>
</tr>
<tr>
<td>0x08</td>
<td>0x00</td>
<td>Communication failure</td>
</tr>
<tr>
<td>0x08</td>
<td>0x01</td>
<td>Communication timeout</td>
</tr>
<tr>
<td>0x08</td>
<td>0x02</td>
<td>Communication parity error</td>
</tr>
<tr>
<td>0x09</td>
<td>0x00</td>
<td>Track following error</td>
</tr>
<tr>
<td>0x0A</td>
<td>0x00</td>
<td>Error log overflow</td>
</tr>
<tr>
<td>0x0C</td>
<td>0x00</td>
<td>Write error</td>
</tr>
<tr>
<td>0x11</td>
<td>0x00</td>
<td>Unrecovered read error</td>
</tr>
<tr>
<td>0x11</td>
<td>0x01</td>
<td>Read retries exhausted</td>
</tr>
<tr>
<td>0x11</td>
<td>0x02</td>
<td>Error too long to correct</td>
</tr>
<tr>
<td>0x11</td>
<td>0x03</td>
<td>Multiple read errors</td>
</tr>
<tr>
<td>0x11</td>
<td>0x08</td>
<td>Incomplete block read</td>
</tr>
<tr>
<td>0x11</td>
<td>0x09</td>
<td>No gap found</td>
</tr>
<tr>
<td>0x11</td>
<td>0x0A</td>
<td>Miscorrected error</td>
</tr>
<tr>
<td>0x14</td>
<td>0x00</td>
<td>Recorded entity not found</td>
</tr>
<tr>
<td>0x14</td>
<td>0x01</td>
<td>Record not found</td>
</tr>
<tr>
<td>0x14</td>
<td>0x02</td>
<td>Filemark/setmark not found</td>
</tr>
<tr>
<td>0x14</td>
<td>0x03</td>
<td>End-of-data not found</td>
</tr>
<tr>
<td>0x14</td>
<td>0x04</td>
<td>Block sequence error</td>
</tr>
<tr>
<td>0x15</td>
<td>0x00</td>
<td>Random positioning error</td>
</tr>
<tr>
<td>0x15</td>
<td>0x01</td>
<td>Mechanical positioning error</td>
</tr>
<tr>
<td>0x15</td>
<td>0x02</td>
<td>Read positioning error</td>
</tr>
<tr>
<td>0x17</td>
<td>0x00</td>
<td>No error correction applied</td>
</tr>
<tr>
<td>0x17</td>
<td>0x01</td>
<td>Recovered with retries</td>
</tr>
<tr>
<td>0x17</td>
<td>0x02</td>
<td>Recovered with positive head offset</td>
</tr>
<tr>
<td>0x17</td>
<td>0x03</td>
<td>Recovered with negative head offset</td>
</tr>
<tr>
<td>0x18</td>
<td>0x00</td>
<td>ECC applied</td>
</tr>
<tr>
<td>0x1A</td>
<td>0x00</td>
<td>Parameter list length error</td>
</tr>
<tr>
<td>ASC</td>
<td>ASCQ</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>0x1B</td>
<td>0x00</td>
<td>Synchronous data transfer error</td>
</tr>
<tr>
<td>0x20</td>
<td>0x00</td>
<td>Invalid operation code</td>
</tr>
<tr>
<td>0x21</td>
<td>0x00</td>
<td>Block out of range</td>
</tr>
<tr>
<td>0x21</td>
<td>0x01</td>
<td>Invalid element address</td>
</tr>
<tr>
<td>0x24</td>
<td>0x00</td>
<td>Invalid field in CDB</td>
</tr>
<tr>
<td>0x25</td>
<td>0x00</td>
<td>LUN not supported</td>
</tr>
<tr>
<td>0x26</td>
<td>0x00</td>
<td>Invalid field in parameter list</td>
</tr>
<tr>
<td>0x26</td>
<td>0x01</td>
<td>Parameter not supported</td>
</tr>
<tr>
<td>0x26</td>
<td>0x02</td>
<td>Parameter value invalid</td>
</tr>
<tr>
<td>0x26</td>
<td>0x03</td>
<td>Threshold parameters not supported</td>
</tr>
<tr>
<td>0x27</td>
<td>0x00</td>
<td>Write protected</td>
</tr>
<tr>
<td>0x28</td>
<td>0x00</td>
<td>Not-ready to ready</td>
</tr>
<tr>
<td>0x28</td>
<td>0x01</td>
<td>Import/export element accessed</td>
</tr>
<tr>
<td>0x29</td>
<td>0x00</td>
<td>Power-on, reset, bus reset</td>
</tr>
<tr>
<td>0x2A</td>
<td>0x00</td>
<td>Parameters changed</td>
</tr>
<tr>
<td>0x2A</td>
<td>0x01</td>
<td>Mode parameters changed</td>
</tr>
<tr>
<td>0x2A</td>
<td>0x02</td>
<td>Log parameters changed</td>
</tr>
<tr>
<td>0x2B</td>
<td>0x00</td>
<td>Copy cannot run</td>
</tr>
<tr>
<td>0x2C</td>
<td>0x00</td>
<td>Command sequence error</td>
</tr>
<tr>
<td>0x2D</td>
<td>0x00</td>
<td>Overwrite error on update</td>
</tr>
<tr>
<td>0x2F</td>
<td>0x00</td>
<td>Command cleared by initiator</td>
</tr>
<tr>
<td>0x30</td>
<td>0x00</td>
<td>Incompatible media</td>
</tr>
<tr>
<td>0x30</td>
<td>0x01</td>
<td>Media unknown format</td>
</tr>
<tr>
<td>0x30</td>
<td>0x02</td>
<td>Media incompatible format</td>
</tr>
<tr>
<td>0x30</td>
<td>0x03</td>
<td>Cleaning cartridge installed</td>
</tr>
<tr>
<td>0x31</td>
<td>0x00</td>
<td>Media format corrupted</td>
</tr>
<tr>
<td>0x33</td>
<td>0x00</td>
<td>Tape length error</td>
</tr>
<tr>
<td>0x37</td>
<td>0x00</td>
<td>Rounded parameter</td>
</tr>
<tr>
<td>0x39</td>
<td>0x00</td>
<td>Saving parameters not supported</td>
</tr>
<tr>
<td>0x3A</td>
<td>0x00</td>
<td>Medium not present</td>
</tr>
<tr>
<td>0x3B</td>
<td>0x00</td>
<td>Sequential positioning error</td>
</tr>
<tr>
<td>0x3B</td>
<td>0x01</td>
<td>Positioning error at BOT</td>
</tr>
<tr>
<td>0x3B</td>
<td>0x02</td>
<td>Positioning error at EOT</td>
</tr>
<tr>
<td>0x3B</td>
<td>0x08</td>
<td>Reposition error</td>
</tr>
<tr>
<td>0x3B</td>
<td>0x0D</td>
<td>Medium destination element full</td>
</tr>
<tr>
<td>0x3B</td>
<td>0x0E</td>
<td>Medium source element empty</td>
</tr>
<tr>
<td>0x3D</td>
<td>0x00</td>
<td>Invalid bits in message</td>
</tr>
<tr>
<td>0x3E</td>
<td>0x00</td>
<td>LUN not self-configured</td>
</tr>
<tr>
<td>0x3F</td>
<td>0x00</td>
<td>Operating conditions changed</td>
</tr>
<tr>
<td>0x3F</td>
<td>0x01</td>
<td>Microcode changed</td>
</tr>
<tr>
<td>ASC</td>
<td>ASCQ</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>0x3F</td>
<td>0x02</td>
<td>Changed operating definition</td>
</tr>
<tr>
<td>0x3F</td>
<td>0x03</td>
<td>Inquiry data changed</td>
</tr>
<tr>
<td>0x3F</td>
<td>0x0E</td>
<td>Reported LUNs data changed</td>
</tr>
<tr>
<td>0x43</td>
<td>0x00</td>
<td>Message error</td>
</tr>
<tr>
<td>0x44</td>
<td>0x00</td>
<td>Internal target failure</td>
</tr>
<tr>
<td>0x45</td>
<td>0x00</td>
<td>Select/reselect failure</td>
</tr>
<tr>
<td>0x46</td>
<td>0x00</td>
<td>Unsuccessful soft reset</td>
</tr>
<tr>
<td>0x47</td>
<td>0x00</td>
<td>SCSI parity error</td>
</tr>
<tr>
<td>0x48</td>
<td>0x00</td>
<td>Initiator detected message received</td>
</tr>
<tr>
<td>0x49</td>
<td>0x00</td>
<td>Invalid message error</td>
</tr>
<tr>
<td>0x4A</td>
<td>0x00</td>
<td>Command phase error</td>
</tr>
<tr>
<td>0x4B</td>
<td>0x00</td>
<td>Data phase error</td>
</tr>
<tr>
<td>0x4C</td>
<td>0x00</td>
<td>LUN failed self-configuration</td>
</tr>
<tr>
<td>0x4E</td>
<td>0x00</td>
<td>Overlapped commands attempt</td>
</tr>
<tr>
<td>0x50</td>
<td>0x00</td>
<td>Write append error</td>
</tr>
<tr>
<td>0x50</td>
<td>0x01</td>
<td>Write append position error</td>
</tr>
<tr>
<td>0x50</td>
<td>0x02</td>
<td>Position error (timing)</td>
</tr>
<tr>
<td>0x51</td>
<td>0x00</td>
<td>Erase failure</td>
</tr>
<tr>
<td>0x52</td>
<td>0x00</td>
<td>Cartridge fault</td>
</tr>
<tr>
<td>0x53</td>
<td>0x00</td>
<td>Load/media eject failed</td>
</tr>
<tr>
<td>0x53</td>
<td>0x01</td>
<td>Unload tape failure</td>
</tr>
<tr>
<td>0x53</td>
<td>0x02</td>
<td>Media removal prevented</td>
</tr>
<tr>
<td>0x5A</td>
<td>0x00</td>
<td>Operator state changed</td>
</tr>
<tr>
<td>0x5A</td>
<td>0x01</td>
<td>Operator media removal</td>
</tr>
<tr>
<td>0x5A</td>
<td>0x02</td>
<td>Operator write protect</td>
</tr>
<tr>
<td>0x5A</td>
<td>0x03</td>
<td>Operator write permit</td>
</tr>
<tr>
<td>0x5B</td>
<td>0x00</td>
<td>Log exception</td>
</tr>
<tr>
<td>0x5B</td>
<td>0x01</td>
<td>Threshold condition met</td>
</tr>
<tr>
<td>0x5B</td>
<td>0x02</td>
<td>Log counter at maximum</td>
</tr>
<tr>
<td>0x5B</td>
<td>0x03</td>
<td>Log list codes exhausted</td>
</tr>
</tbody>
</table>

**ASC and ASCQ codes in Windows Event Log**

ASC and ASCQ codes are displayed in the Windows Event Log.

The ASC (Additional Sense Code) and ASCQ (Additional Sense Code Qualifier) codes are displayed as hexadecimal values in the Data area of the Windows Event Log. The Event Log omits the 0x prefix for the displayed information.

In the Windows Event Log, the entries with source AdsmScsi are produced by the Tivoli Storage Manager AdsmScsi device driver. Entries from the AdsmScsi device driver or any Windows tape device driver contains the following information. Byte 3E is the sense key, byte 3D is the ASC, and byte 3C is the ASCQ. If byte 44 is `ef`,
the error logged is not a check condition error. Examples of such errors are command timeouts or device selection errors.
Chapter 5. Device error codes in the AIX system error log

Tivoli Storage Manager logs some device errors in the AIX system error log.

Device codes in the AIX system error log are described.

DEVELOPMENT ERROR and ERROR DESCRIPTION

**ADSM_DD_LOG1 (0xAC3AB953)**

DEVICE DRIVER SOFTWARE ERROR

This error is logged by the Tivoli Storage Manager device driver when a problem is suspected in the Tivoli Storage Manager device driver software. If the Tivoli Storage Manager device driver issues a SCSI I/O command with an illegal operation code the command fails and the error is logged with this identifier. Report this error immediately to Tivoli Storage Manager Support.

**Detail Data:** Sense Data

The sense data contains information that can determine the cause of the error. Report all data in the error entry to Tivoli Storage Manager Support.

**ADSM_DD_LOG2 (0x5680E405)**

HARDWARE/COMMAND-ABORTED ERROR

This error is logged by the Tivoli Storage Manager device driver when the device reports a hardware error or stop-command error in response to a SCSI I/O command.

**Detail Data:** Sense Data

The sense data contains information that can determine which hardware component failed and why. To interpret the sense data for a particular device, refer to the SCSI specification manual for the device.

**ADSM_DD_LOG3 (0x461B41DE)**

MEDIA ERROR

This error is logged by the Tivoli Storage Manager device driver when a SCSI I/O command fails because of corrupted or incompatible media, or because a drive requires cleaning.

**Detail Data:** Sense Data

The sense data contains information that can determine the cause of the error. To interpret the sense data for a particular device, refer to the SCSI specification manual for the device.

**ADSM_DD_LOG4 (0x4225DB66)**

TARGET DEVICE GOT UNIT ATTENTION

This error is logged by the Tivoli Storage Manager device driver after receiving certain UNIT ATTENTION notifications from a device. UNIT ATTENTIONs are informational and usually indicate that some state of the device changed. For example, this error would be logged if the door of a library device was opened and then closed. Logging this event indicates that the activity occurred and that the library inventory might be changed.

**Detail Data:** Sense Data
The sense data contains information that describes the reason for the UNIT ATTENTION. To interpret the sense data for a particular device, see the SCSI specification manual for the device.

**ADSM_DD_LOG5 (0xDAC55CE5)**

PERMANENT UNKNOWN ERROR

This error is logged by the Tivoli Storage Manager device driver after receiving an unknown error from a device in response to a SCSI I/O command. If the error persists, report it to Tivoli Storage Manager support personnel.

**Detail Data:** Sense Data

The sense data consists of information that can determine the cause of the error. Report all data in the error entry to Tivoli Storage Manager Support.

**ADSM_DD_LOG6 (0xBC539B26)**

WARNING OR INFORMATIONAL MESSAGE FOR TARGET DEVICE

This error is logged by the Tivoli Storage Manager device driver after receiving a warning or informational message from a device in response to a SCSI I/O command. These informational messages might not be an indication of a problem. If the message persists, report it to Tivoli Storage Manager Support.

**Detail Data:** Sense Data

The sense data consists of information that can determine the reason for the message. Report all data in the entry to Tivoli Storage Manager Support.
Appendix A. Tivoli support information

You can find support information for Tivoli and other IBM products from various sources.

From the IBM Support Portal at [http://www.ibm.com/support/entry/portal/](http://www.ibm.com/support/entry/portal/) you can select the products that you are interested in and search for a wide variety of relevant information.

Communities and other learning resources

In addition to product documentation, many forms of assistance are available to help you get started as you deploy and use the Tivoli Storage Manager family of products. These resources can also help you to solve problems that you might have.

You can use forums, wikis, and other social media tools to ask questions, talk to experts, and learn from others.

User groups

Tivoli Global Storage Virtual User Group

Access this user group at [http://www.tivoli-ug.org/storage](http://www.tivoli-ug.org/storage)

This group makes it possible for individuals from many different industries and types of organizations to share information and work directly with the IBM product experts. Local chapters also exist where members meet in person to share experiences and hear from guest speakers.

ADSM.ORG

Access this mailing list at [http://adsm.org](http://adsm.org)

This independently managed Storage Management discussion forum started when Tivoli Storage Manager was known as ADSTAR Distributed Storage Manager (ADSM). The members of this forum have many years of experience with Tivoli Storage Manager in almost every type of IT environment.

To subscribe to the forum, send an email to listserv@vm.marist.edu. The body of the message must contain the following text: SUBSCRIBE ADSM-L your_first_name your_family_name.

Tivoli Storage Manager community on Service Management Connect

Access Service Management Connect at [http://www.ibm.com/developerworks/servicemanagement](http://www.ibm.com/developerworks/servicemanagement) In the Storage Management community of Service Management Connect, you can connect with IBM in the following ways:

- Become involved with transparent development, an ongoing, open engagement between users and IBM developers of Tivoli products. You can access early designs, sprint demonstrations, product roadmaps, and prerelease code.
- Connect one-on-one with the experts to collaborate and network about Tivoli and the Tivoli Storage Manager community.
- Read blogs to benefit from the expertise and experience of others.
• Use wikis and forums to collaborate with the broader user community.

**Tivoli Storage Manager wiki on developerWorks®**


Find the latest best practices, white papers, and links to videos and other resources. When you log on, you can comment on content, or contribute your own content.

**Tivoli Support Technical Exchange**


Replays of previous webcasts are also available.

Learn from technical experts who share their knowledge and then answer your questions. The sessions are designed to address specific technical issues and provide in-depth but narrowly focused training.

**Other social media sites**

**LinkedIn**

You can join groups on LinkedIn, a social media site for professionals. For example:

• [Tivoli Storage Manager Professionals](http://www.linkedin.com/groups/Tivoli-Storage-Manager-Professionals-54572)

• [TSM](http://www.linkedin.com/groups/TivoliStorage-54540)

**Twitter**

Follow @IBMStorage on Twitter to see the latest news about storage and storage software from IBM.

**Tivoli education resources**

Use these education resources to help you increase your Tivoli Storage Manager skills:

**Tivoli Education and Certification website**


Use the Search for Training link to find local and online offerings of instructor-led courses for Tivoli Storage Manager.

**Education Assistant**


Scroll to view the list of available training videos. Recorded product demonstrations are also available on a YouTube channel.
Searching knowledge bases

If a problem occurs while you are using one of the Tivoli Storage Manager family of products, you can search several knowledge bases.

Begin by searching the Tivoli Storage Manager Information Center at http://pic.dhe.ibm.com/infocenter/tsminfo/v7r1. Within the information center, you can enter words, phrases, or message numbers in the Search field to find relevant topics.

Searching the Internet

If you cannot find an answer to your question in the Tivoli Storage Manager information center, search the Internet for the information that might help you resolve the problem.

To search multiple Internet resources, go to the IBM support website at http://www.ibm.com/support/entry/portal/. You can search for information without signing in.

Sign in using your IBM ID and password if you want to customize the site based on your product usage and information needs. If you do not already have an IBM ID and password, click Sign in at the top of the page and follow the instructions to register.

From the support website, you can search various resources:

- IBM technotes.
- IBM downloads.
- IBM Redbooks® publications.
- IBM Authorized Program Analysis Reports (APARs). Select the product and click Downloads to search the APAR list.

Using IBM Support Assistant

IBM Support Assistant is a complimentary software product that can help you with problem determination. It is available for some Tivoli Storage Manager and Tivoli Storage FlashCopy Manager products.

IBM Support Assistant helps you gather support information when you must open a problem management record (PMR), which you can then use to track the problem. The product-specific plug-in modules provide you with the following resources:

- Support links
- Education links
- Ability to submit problem management reports

You can find more information and download the IBM Support Assistant web page at http://www.ibm.com/software/support/isa.

You can also install the stand-alone IBM Support Assistant application on any workstation. You can then enhance the application by installing product-specific plug-in modules for the IBM products that you use. Find add-ons for specific products at http://www.ibm.com/support/docview.wss?uid=swg27012689.
Finding product fixes
A product fix to resolve a software problem might be available from the IBM software support website.

Procedure
Determine what fixes are available by checking the IBM software support website at [http://www.ibm.com/support/entry/portal/](http://www.ibm.com/support/entry/portal/).

If you previously customized the site based on your product usage:
1. Click the link for the product, or a component for which you want to find a fix.
2. Click Downloads, and then click Search for recommended fixes.

If you have not previously customized the site:
Click Downloads and search for the product.

Receiving notification of product fixes
You can receive notifications about fixes, flashes, upgrades, and other news about IBM products.

Procedure
1. From the support page at [http://www.ibm.com/support/entry/portal/](http://www.ibm.com/support/entry/portal/), click Sign in and sign in using your IBM ID and password. If you do not have an ID and password, click register now and complete the registration process.
2. Click Manage all my subscriptions in the Notifications pane.
3. Click the Subscribe tab, and then click Tivoli.
4. Select the products for which you want to receive notifications and click Continue.
5. Specify your notification preferences and click Submit.

Contacting IBM Software Support
You can contact IBM Software Support if you have an active IBM subscription and support contract, and if you are authorized to submit problems to IBM.

Procedure
1. Ensure that you have completed the following prerequisites:
   a. Set up a subscription and support contract.
   b. Determine the business impact of the problem.
   c. Describe the problem and gather background information.
2. Follow the instructions in “Submitting the problem to IBM Software Support” on page 764.
Setting up and managing support contracts

You can set up and manage your Tivoli support contracts by enrolling in IBM Passport Advantage®. The type of support contract that you need depends on the type of product you have.

Procedure

Enroll in IBM Passport Advantage in one of the following ways:


- **By telephone:** For critical, system-down, or high-severity issues, you can call 1-800-IBMSERV (1-800-426-7378) in the United States. For the telephone number to call in your country, go to the IBM Software Support Handbook web page at [http://www14.software.ibm.com/webapp/set2/sas/f/handbook/home.html](http://www14.software.ibm.com/webapp/set2/sas/f/handbook/home.html) and click Contacts.

Determining the business impact

When you report a problem to IBM, you are asked to supply a severity level. Therefore, you must understand and assess the business impact of the problem you are reporting.

<table>
<thead>
<tr>
<th>Severity level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severity 1</td>
<td>Critical business impact: You are unable to use the program, resulting in a critical impact on operations. This condition requires an immediate solution.</td>
</tr>
<tr>
<td>Severity 2</td>
<td>Significant business impact: The program is usable but is severely limited.</td>
</tr>
<tr>
<td>Severity 3</td>
<td>Some business impact: The program is usable with less significant features (not critical to operations) unavailable.</td>
</tr>
<tr>
<td>Severity 4</td>
<td>Minimal business impact: The problem causes little impact on operations, or a reasonable circumvention to the problem has been implemented.</td>
</tr>
</tbody>
</table>

Describing the problem and gathering background information

When explaining a problem to IBM, it is helpful to be as specific as possible. Include all relevant background information so that IBM Software Support specialists can help you solve the problem efficiently.

To save time, know the answers to these questions:

- What software versions were you running when the problem occurred?
- Do you have logs, traces, and messages that are related to the problem symptoms? IBM Software Support is likely to ask for this information.
- Can the problem be re-created? If so, what steps led to the failure?
- Have any changes been made to the system? For example, hardware, operating system, networking software, and so on.
- Are you using a workaround for this problem? If so, be prepared to explain it when you report the problem.
Submitting the problem to IBM Software Support

You can submit the problem to IBM Software Support online or by telephone.

Online

Go to the IBM Software Support website at [http://www.ibm.com/support/entry/portal/Open_service_request/Software/Software_support_(general)](http://www.ibm.com/support/entry/portal/Open_service_request/Software/Software_support_(general)) Sign in to access IBM Service Requests and enter your information into the problem submission tool.

By telephone

Appendix B. Accessibility features for the Tivoli Storage Manager product family

Accessibility features help users who have a disability, such as restricted mobility or limited vision to use information technology products successfully.

Accessibility features

The IBM Tivoli Storage Manager family of products includes the following accessibility features:

- Keyboard-only operation using standard operating-system conventions
- Interfaces that support assistive technology such as screen readers

The command-line interfaces of all products in the product family are accessible.

Tivoli Storage Manager Operations Center provides the following additional accessibility features when you use it with a Mozilla Firefox browser on a Microsoft Windows system:

- Screen magnifiers and content zooming
- High contrast mode

The Operations Center and the Tivoli Storage Manager Server can be installed in console mode, which is accessible.

The Tivoli Storage Manager Information Center is enabled for accessibility. For information center accessibility information, see “Accessibility features in the information center” (http://pic.dhe.ibm.com/infocenter/tsminfo/v7r1/topic/com.ibm.help.ic.doc/iehs36_accessibility.html).

Vendor software

The Tivoli Storage Manager product family includes certain vendor software that is not covered under the IBM license agreement. IBM makes no representation about the accessibility features of these products. Contact the vendor for the accessibility information about its products.

IBM and accessibility

See the IBM Human Ability and Accessibility Center (http://www.ibm.com/able) for information about the commitment that IBM has to accessibility.
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Glossary

This glossary provides terms and definitions for Tivoli Storage Manager, Tivoli Storage FlashCopy Manager, and associated products.

The following cross-references are used in this glossary:

- See refers you from a nonpreferred term to the preferred term or from an abbreviation to the spelled-out form.
- See also refers you to a related or contrasting term.

For other terms and definitions, see the IBM Terminology website at [www.ibm.com/software/globalization/terminology](http://www.ibm.com/software/globalization/terminology).

**A**

**absolute mode**
In storage management, a backup copy-group mode that specifies that a file is considered for incremental backup even if the file has not changed since the last backup. See also modified mode.

**access control list (ACL)**
In computer security, a list associated with an object that identifies all the subjects that can access the object and their access rights.

**access mode**
An attribute of a storage pool or a storage volume that specifies whether the server can write to or read from the storage pool or storage volume.

**ACK**
See acknowledgment.

**acknowledgment (ACK)**
The transmission of acknowledgment characters as a positive response to a data transmission.

**ACL**
See access control list.

**activate**
To validate the contents of a policy set and then make it the active policy set.

**active-data pool**
A named set of storage pool volumes that contain only active versions of client backup data. See also server storage pool, storage pool, storage pool volume.

**active file system**
A file system to which space management has been added. With space management, tasks for an active file system include automatic migration, reconciliation, selective migration, and recall. See also inactive file system.

**active policy set**
The activated policy set that contains the policy rules currently in use by all client nodes assigned to the policy domain. See also policy domain, policy set.

**active version**
The most recent backup copy of a file stored. The active version of a file cannot be deleted until a backup process detects that the user has either replaced the file with a newer version or has deleted the file from the file server or workstation. See also backup version, inactive version.

**activity log**
A log that records normal activity messages that are generated by the server. These messages include information about server and client operations, such as the start time of sessions or device I/O errors.

**adaptive subfile backup**
A type of backup that sends only changed portions of a file to the server, instead of sending the entire file. Adaptive subfile backup reduces network traffic and increases the speed of the backup.

**administrative client**
A program that runs on a file server, workstation, or mainframe that administrators use to control and monitor the server. See also backup-archive client.

**administrative command schedule**
A database record that describes the planned processing of an administrative command during a specific time period. See also central scheduler, client schedule.

**administrative privilege class**
See privilege class.
**administrative session**
A period of time during which an administrator user ID communicates with a server to perform administrative tasks. See also client node session, session.

**administrator**
A person responsible for administrative tasks such as access authorization and content management. Administrators can also grant levels of authority to users.

**agent node**
A client node that has been granted proxy authority to perform operations on behalf of another client node, which is the target node.

**aggregate**
An object, stored in one or more storage pools, consisting of a group of logical files that are packaged together. See also logical file, physical file.

**aggregate data transfer rate**
A performance statistic that indicates the average number of bytes that were transferred per second while processing a given operation.

**application client**
A program that is installed on a system to protect an application. The server provides backup services to an application client.

**archive**
To copy programs, data, or files to another storage media, usually for long-term storage or security. See also retrieve.

**archive copy**
A file or group of files that was archived to server storage.

**archive copy group**
A policy object containing attributes that control the generation, destination, and expiration of archived files. See also copy group.

**archive-retention grace period**
The number of days that the storage manager retains an archived file when the server is unable to rebind the file to an appropriate management class. See also bind.

**association**
The defined relationship between a client node and a client schedule. An association identifies the name of a schedule, the name of the policy domain to which the schedule belongs, and the name of a client node that performs scheduled operations.

**audit**
To check for logical inconsistencies between information that the server has and the actual condition of the system. The storage manager can audit information about items such as volumes, libraries, and licenses. For example, when a storage manager audits a volume, the server checks for inconsistencies between information about backed-up or archived files that are stored in the database and the actual data that are associated with each backup version or archive copy in server storage.

**authentication rule**
A specification that another user can use to either restore or retrieve files from storage.

**authority**
The right to access objects, resources, or functions. See also privilege class.

**authorization rule**
A specification that permits another user to either restore or retrieve a user’s files from storage.

**authorized user**
A user who has administrative authority for the client on a workstation. This user changes passwords, performs open registrations, and deletes file spaces.

**AutoFS**
See automounted file system.

**automatic detection**
A feature that detects, reports, and updates the serial number of a drive or library in the database when the path from the local server is defined.

**automatic migration**
The process that is used to automatically move files from a local file system to storage, based on options and settings that are chosen by a root user on a workstation. See also demand migration, threshold migration.

**automounted file system (AutoFS)**
A file system that is managed by an
automounter daemon. The automounter daemon monitors a specified directory path, and automatically mounts the file system to access data.

B

backup-archive client
A program that runs on a workstation or file server and provides a means for users to back up, archive, restore, and retrieve files. See also administrative client.

backup copy group
A policy object containing attributes that control the generation, destination, and expiration of backup versions of files. A backup copy group belongs to a management class. See also copy group.

backup retention grace period
The number of days the storage manager retains a backup version after the server is unable to rebind the file to an appropriate management class.

backup set
A portable, consolidated group of active versions of backup files that are generated for a backup-archive client.

backup set collection
A group of backup sets that are created at the same time and which have the same backup set name, volume names, description, and device classes. The server identifies each backup set in the collection by its node name, backup set name, and file type.

backup version
A file or directory that a client node backed up to storage. More than one backup version can exist in storage, but only one backup version is the active version. See also active version, copy group, inactive version.

bind
To associate a file with a management class name. See also archive-retention grace period, management class, rebind.
cache
To place a duplicate copy of a file on random access media when the server migrates a file to another storage pool in the hierarchy.

cache file
A snapshot of a logical volume created by Logical Volume Snapshot Agent. Blocks are saved immediately before they are modified during the image backup and their logical extents are saved in the cache files.

CAD  See client acceptor daemon

central scheduler
A function that permits an administrator to schedule client operations and administrative commands. The operations can be scheduled to occur periodically or on a specific date. See also administrative command schedule, client schedule

client
A software program or computer that requests services from a server. See also server

client acceptor
A service that serves the Java applet for the web client to web browsers. On Windows systems, the client acceptor is installed and run as a service. On AIX, UNIX, and Linux systems, the client acceptor is run as a daemon.

client acceptor daemon (CAD)
See client acceptor

client domain
The set of drives, file systems, or volumes that the user selects to back up or archive data, using the backup-archive client.

client node
A file server or workstation on which the backup-archive client program has been installed, and which has been registered to the server.

client node session
A session in which a client node communicates with a server to perform backup, restore, archive, retrieve, migrate, or recall requests. See also administrative session

client option set
A group of options that are defined on the server and used on client nodes in conjunction with client options files.

client options file
An editable file that identifies the server and communication method, and provides the configuration for backup, archive, hierarchical storage management, and scheduling.

client-polling scheduling mode
A method of operation in which the client queries the server for work. See also server-prompted scheduling mode

client schedule
A database record that describes the planned processing of a client operation during a specific time period. The client operation can be a backup, archive, restore, or retrieve operation, a client operating system command, or a macro. See also administrative command schedule, client schedule

client/server
Pertaining to the model of interaction in distributed data processing in which a program on one computer sends a request to a program on another computer and awaits a response. The requesting program is called a client; the answering program is called a server.

client system-options file
A file, used on AIX, UNIX, or Linux system clients, containing a set of processing options that identify the servers to be contacted for services. This file also specifies communication methods and options for backup, archive, hierarchical storage management, and scheduling. See also client user-options file

client user-options file
A file that contains the set of processing options that the clients on the system use. The set can include options that determine the server that the client contacts, and options that affect backup operations, archive operations, hierarchical storage management operations, and scheduled operations. This file is also called the dsm.opt file. For AIX, UNIX, or Linux systems, see also client system-options file.

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closed registration
A registration process in which only an administrator can register workstations as client nodes with the server. See also open registration.

collocation
The process of keeping all data belonging to a single-client file space, a single client node, or a group of client nodes on a minimal number of sequential-access volumes within a storage pool. Collocation can reduce the number of volumes that must be accessed when a large amount of data must be restored.

colocation group
A user-defined group of client nodes whose data is stored on a minimal number of volumes through the process of collocation.

commit point
A point in time when data is considered to be consistent.

communication method
The method by which a client and server exchange information. See also Transmission Control Protocol/Internet Protocol.

communication protocol
A set of defined interfaces that permit computers to communicate with each other.

compression
A function that removes repetitive characters, spaces, strings of characters, or binary data from the data being processed and replaces characters with control characters. Compression reduces the amount of storage space that is required for data.

configuration manager
A server that distributes configuration information, such as policies and schedules, to managed servers according to their profiles. Configuration information can include policy and schedules. See also enterprise configuration, managed server, profile.

conversation
A connection between two programs over a session that allows them to communicate with each other while processing a transaction. See also session.

copy backup
A full backup in which the transaction log files are not deleted so that backup procedures that use incremental or differential backups are not disrupted.

copy group
A policy object containing attributes that control how backup versions or archive copies are generated, where backup versions or archive copies are initially located, and when backup versions or archive copies expire. A copy group belongs to a management class. See also archive copy group, backup copy group, backup version, management class.

copy storage pool
A named set of volumes that contain copies of files that reside in primary storage pools. Copy storage pools are used only to back up the data that is stored in primary storage pools. A copy storage pool cannot be a destination for a backup copy group, an archive copy group, or a management class (for space-managed files). See also destination, primary storage pool, server storage, storage pool, storage pool volume.

D

daemon
A program that runs unattended to perform continuous or periodic functions, such as network control.

damaged file
A physical file in which read errors have been detected.

database backup series
One full backup of the database, plus up to 32 incremental backups made since that full backup. Each full backup that is run starts a new database backup series. A number identifies each backup series. See also database snapshot, full backup.

database snapshot
A complete backup of the entire database to media that can be taken off-site. When a database snapshot is created, the current database backup series is not interrupted. A database snapshot cannot have incremental database backups associated with it. See also database backup series, full backup.
data center
In a virtualized environment, a container that holds hosts, clusters, networks, and data stores.

data deduplication
A method of reducing storage needs by eliminating redundant data. Only one instance of the data is retained on storage media. Other instances of the same data are replaced with a pointer to the retained instance.

data manager server
A server that collects metadata information for client inventory and manages transactions for the storage agent over the local area network. The data manager server informs the storage agent with applicable library attributes and the target volume identifier.

data mover
A device that moves data on behalf of the server. A network-attached storage (NAS) file server is a data mover.

data storage-management application-programming interface (DSMAPI)
A set of functions and semantics that can monitor events on files, and manage and maintain the data in a file. In an HSM environment, a DSMAPI uses events to notify data management applications about operations on files, stores arbitrary attribute information with a file, supports managed regions in a file, and uses DSMAPI access rights to control access to a file object.

data store
In a virtualized environment, the location where virtual machine data is stored.

deduplication
The process of creating representative records from a set of records that have been identified as representing the same entities.

default management class
A management class that is assigned to a policy set. This class is used to govern backed up or archived files when a file is not explicitly associated with a specific management class through the include-exclude list.

demand migration
The process that is used to respond to an out-of-space condition on a file system for which hierarchical storage management (HSM) is active. Files are migrated to server storage until space usage drops to the low threshold that was set for the file system. If the high threshold and low threshold are the same, one file is migrated. See also automatic migration, selective migration, threshold migration.

desktop client
The group of backup-archive clients that includes clients on Microsoft Windows, Apple, and Novell NetWare operating systems.

destination
A copy group or management class attribute that specifies the primary storage pool to which a client file will be backed up, archived, or migrated. See also copy storage pool.

device class
A named set of characteristics that are applied to a group of storage devices. Each device class has a unique name and represents a device type of disk, file, optical disk, or tape.

device configuration file
1. For a storage agent, a file that contains the name and password of the storage agent, and information about the server that is managing the SAN-attached libraries and drives that the storage agent uses.
2. For a server, a file that contains information about defined device classes, and, on some servers, defined libraries and drives. The information is a copy of the device configuration information in the database.

disaster recovery manager (DRM)
A function that assists in preparing and using a disaster recovery plan file for the server.

disaster recovery plan
A file that is created by the disaster recover manager (DRM) that contains information about how to recover computer systems if a disaster occurs and scripts that can be run to perform some recovery tasks. The file includes information about the software and
hardware that is used by the server, and the location of recovery media.

**domain**
A grouping of client nodes with one or more policy sets, which manage data or storage resources for the client nodes. See also **policy domain**.

**DRM**  See **disaster recovery manager**.

**DSMAPI**  See **data storage-management application-programming interface**.

**dynamic serialization**
Copy serialization in which a file or folder is backed up or archived on the first attempt regardless of whether it changes during a backup or archive. See also **shared dynamic serialization**, **shared static serialization**, **static serialization**.

**E**

EA  See **extended attribute**.

EB  See **exabyte**.

EFS  See **Encrypted File System**.

**Encrypted File System (EFS)**
A file system that uses file system-level encryption.

**enterprise configuration**
A method of setting up servers so that the administrator can distribute the configuration of one of the servers to the other servers, using server-to-server communication. See also **configuration manager**, **managed server**, **profile**, **subscription**.

**enterprise logging**
The process of sending events from a server to a designated event server. The event server routes the events to designated receivers, such as to a user exit. See also **event**.

**error log**
A data set or file that is used to record error information about a product or system.

**estimated capacity**
The available space, in megabytes, of a storage pool.

**event**
An occurrence of significance to a task or system. Events can include completion or failure of an operation, a user action, or the change in state of a process. See also **enterprise logging**, **receiver**.

**event record**
A database record that describes actual status and results for events.

**event server**
A server to which other servers can send events for logging. The event server routes the events to any receivers that are enabled for the sending server's events.

**exabyte (EB)**
For processor, real and virtual storage capacities and channel volume, $2^{60}$ or $1,152,921,504,606,846,976$ bytes. For disk storage capacity and communications volume, $1,000,000,000,000,000,000$ bytes.

**exclude**
The process of identifying files in an include-exclude list. This process prevents the files from being backed up or migrated whenever a user or schedule enters an incremental or selective backup operation. A file can be excluded from backup, from space management, or from both backup and space management.

**exclude-exclude list**
See **include-exclude list**.

**expiration**
The process by which files, data sets, or objects are identified for deletion because their expiration date or retention period has passed.

**expiring file**
A migrated or premigrated file that has been marked for expiration and removal from storage. If a stub file or an original copy of a premigrated file is deleted from a local file system, or if the original copy of a premigrated file is updated, the corresponding migrated or premigrated file is marked for expiration the next time reconciliation is run.

**extend**
To increase the portion of available space that can be used to store database or recovery log information.

**extended attribute (EA)**
Names or value pairs that are associated with files or directories. There are three
classes of extended attributes: user attributes, system attributes, and trusted attributes.

**external library**
A collection of drives that is managed by the media-management system other than the storage management server.

**file access time**
On AIX, UNIX, or Linux systems, the time when the file was last accessed.

**file age**
For migration prioritization purposes, the number of days since a file was last accessed.

**file device type**
A device type that specifies the use of sequential access files on disk storage as volumes.

**file server**
A dedicated computer and its peripheral storage devices that are connected to a local area network that stores programs and files that are shared by users on the network.

**file space**
A logical space in server storage that contains a group of files that have been backed up or archived by a client node, from a single logical partition, file system, or virtual mount point. Client nodes can restore, retrieve, or delete their file spaces from server storage. In server storage, files belonging to a single file space are not necessarily stored together.

**file space ID (FSID)**
A unique numeric identifier that the server assigns to a file space when it is stored in server storage.

**file state**
The space management mode of a file that resides in a file system to which space management has been added. A file can be in one of three states: resident, premigrated, or migrated. See also migrated file, premigrated file, resident file

**file system migrator (FSM)**
A kernel extension that intercepts all file system operations and provides any space management support that is required. If no space management support is required, the operation is passed to the operating system, which performs its normal functions. The file system migrator is mounted over a file system when space management is added to the file system.

**file system state**
The storage management mode of a file system that resides on a workstation on which the hierarchical storage management (HSM) client is installed. A file system can be in one of these states: native, active, inactive, or global inactive.

**frequency**
A copy group attribute that specifies the minimum interval, in days, between incremental backups.

**FSID**
See file space ID

**FSM**
See file system migrator

**full backup**
The process of backing up the entire server database. A full backup begins a new database backup series. See also database backup series, database snapshot, incremental backup

**fuzzy backup**
A backup version of a file that might not accurately reflect what is currently in the file because the file was backed up at the same time as it was being modified.

**fuzzy copy**
A backup version or archive copy of a file that might not accurately reflect the original contents of the file because it was backed up or archived the file while the file was being modified.

**G**

**GB**
See gigabyte

**General Parallel File System (GPFS™)**
A high-performance shared-disk file system that can provide data access from nodes in a clustered system environment. See also information lifecycle management

**gigabyte (GB)**
For processor storage, real and virtual storage, and channel volume, 10 to the
power of nine or 1,073,741,824 bytes. For
disk storage capacity and communications
volume, 1,000,000,000 bytes.

global inactive state
The state of all file systems to which
space management has been added when
space management is globally deactivated
for a client node.

Globally Unique Identifier (GUID)
An algorithmically determined number
that uniquely identifies an entity within a
system. See also Universally Unique
Identifier

GPFS
See General Parallel File System

GPFS node set
A mounted, defined group of GPFS file
systems.

group backup
The backup of a group containing a list of
files from one or more file space origins.

GUID
See Globally Unique Identifier

H

hierarchical storage management (HSM)
A function that automatically distributes
and manages data on disk, tape, or both
by regarding devices of these types and
potentially others as levels in a storage
hierarchy that range from fast, expensive
devices to slower, cheaper, and possibly
removable devices. The objectives are to
minimize access time to data and
maximize available media capacity. See
also hierarchical storage management
client, recall, storage hierarchy

hierarchical storage management client (HSM
client) A client program that works with the
server to provide hierarchical storage
management (HSM) for a system. See also
hierarchical storage management
management class

HSM
See hierarchical storage management

HSM client
See hierarchical storage management
client
See information lifecycle management.

A file system or raw logical volume that is backed up as a single object.

A backup of a full file system or raw logical volume as a single object.

A file system for which space management has been deactivated. See also active file system.

A backup version of a file that is either not the most recent backup version, or that is a backup version of a file that no longer exists on the client system. Inactive backup versions are eligible for expiration processing according to the management class assigned to the file. See also active version, backup version.

A file containing statements to determine the files to back up and the associated management classes to use for backup or archive. See also include-exclude list.

A list of options that include or exclude selected files for backup. An exclude option identifies files that should not be backed up. An include option identifies files that are exempt from the exclusion rules or assigns a management class to a file or a group of files for backup or archive services. See also include-exclude file.

The process of backing up files or directories, or copying pages in the database, that are new or changed since the last full or incremental backup. See also selective backup.

See mailbox restore.

A policy-based file-management system for storage pools and file sets. See also General Parallel File System.

The internal structure that describes the individual files on AIX, UNIX, or Linux systems. An inode contains the node, type, owner, and location of a file.

A number specifying a particular inode file in the file system.

A unique address for a device or logical unit on a network that uses the Internet Protocol standard.

A generated file that contains configuration information for a migration job. The file is XML format and can be created and edited in the hierarchical storage management (HSM) client for Windows client graphical user interface. See also migration job.

A method for backing up Windows clients and AIX clients that exploits the change notification mechanism in a file to improve incremental backup performance by reducing the need to fully scan the file system.

On AIX, UNIX, or Linux systems, a program that tracks change activity for files residing in file systems.

In Microsoft Windows, a program that tracks change activity for files residing in file systems.

For processor storage, real and virtual storage, and channel volume, 2 to the power of 10 or 1,024 bytes. For disk storage capacity and communications volume, 1,000 bytes.
LAN  See local area network.

LAN-free data movement
The movement of client data between a client system and a storage device on a storage area network (SAN), bypassing the local area network.

LAN-free data transfer
See LAN-free data movement.

leader data
Bytes of data, from the beginning of a migrated file, that are stored in the file's corresponding stub file on the local file system. The amount of leader data that is stored in a stub file depends on the stub size that is specified.

library
1. A repository for demountable recorded media, such as magnetic disks and magnetic tapes.
2. A collection of one or more drives, and possibly robotic devices (depending on the library type), which can be used to access storage volumes.

library client
A server that uses server-to-server communication to access a library that is managed by another storage management server. See also library manager.

library manager
A server that controls device operations when multiple storage management servers share a storage device. See also library client.

local
1. Pertaining to a device, file, or system that is accessed directly from a user system, without the use of a communication line. See also remote.
2. For hierarchical storage management products, pertaining to the destination of migrated files that are being moved. See also remote.

local area network (LAN)
A network that connects several devices in a limited area (such as a single building or campus) and that can be connected to a larger network.

local shadow volume
Data that is stored on shadow volumes localized to a disk storage subsystem.

LOFS  See loopback virtual file system.

logical file
A file that is stored in one or more server storage pools, either by itself or as part of an aggregate. See also aggregate, physical file, physical occupancy.

logical occupancy
The space that is used by logical files in a storage pool. This space does not include the unused space created when logical files are deleted from aggregate files, so it might be less than the physical occupancy. See also physical occupancy.

logical unit number (LUN)
In the Small Computer System Interface (SCSI) standard, a unique identifier used to differentiate devices, each of which is a logical unit (LU).

logical volume
A portion of a physical volume that contains a file system.

logical volume backup
A back up of a file system or logical volume as a single object.

Logical Volume Snapshot Agent (LVSA)
Software that can act as the snapshot provider for creating a snapshot of a logical volume during an online image backup.

loopback virtual file system (LOFS)
A file system that is created by mounting a directory over another local directory, also known as mount-over-mount. A LOFS can also be generated using an automounter.

LUN  See logical unit number.

LVSA  See Logical Volume Snapshot Agent.
**macro file**

A file that contains one or more storage manager administrative commands, which can be run only from an administrative client using the MACRO command. See also Tivoli Storage Manager command script.

**mailbox restore**

A function that restores Microsoft Exchange Server data (from IBM Data Protection for Microsoft Exchange backups) at the mailbox level or mailbox-item level.

**managed object**

A definition in the database of a managed server that was distributed to the managed server by a configuration manager. When a managed server subscribes to a profile, all objects that are associated with that profile become managed objects in the database of the managed server.

**managed server**

A server that receives configuration information from a configuration manager using a subscription to one or more profiles. Configuration information can include definitions of objects such as policy and schedules. See also configuration manager, enterprise configuration, profile, subscription.

**management class**

A policy object that users can bind to each file to specify how the server manages the file. The management class can contain a backup copy group, an archive copy group, and space management attributes. See also bind, copy group, hierarchical storage management client, policy set, rebind.

**maximum transmission unit (MTU)**

The largest possible unit of data that can be sent on a given physical medium in a single frame. For example, the maximum transmission unit for Ethernet is 1500 bytes.

**MB**

See megabyte

**media server**

In a z/OS® environment, a program that provides access to z/OS disk and tape storage for Tivoli Storage Manager servers that run on operating systems other than z/OS.

**megabyte (MB)**

For processor storage, real and virtual storage, and channel volume, 2 to the 20th power or 1,048,576 bytes. For disk storage capacity and communications volume, 1,000,000 bytes.

**metadata**

Data that describes the characteristics of data; descriptive data.

**migrate**

To move data to another location, or an application to another computer system.

**migrated file**

A file that has been copied from a local file system to storage. For HSM clients on UNIX or Linux systems, the file is replaced with a stub file on the local file system. On Windows systems, creation of the stub file is optional. See also file state, premigrated file, resident file, stub file.

**migration**

The process of moving data from one computer system to another, or an application to another computer system.

**migration job**

A specification of files to migrate, and actions to perform on the original files after migration. See also job file, threshold migration.

**migration threshold**

High and low capacities for storage pools or file systems, expressed as percentages, at which migration is set to start and stop.

**mirroring**

The process of writing the same data to multiple disks at the same time. The mirroring of data protects it against data loss within the database or within the recovery log.

**mode**

A copy group attribute that specifies whether to back up a file that has not been modified since the last time the file was backed up. See also absolute mode, modified mode.

**modified mode**

In storage management, a backup copy-group mode that specifies that a file
is considered for incremental backup only if it has changed since the last backup. A file is considered a changed file if the date, size, owner, or permissions of the file have changed. See also absolute mode.

**mount limit**
The maximum number of volumes that can be simultaneously accessed from the same device class. The mount limit determines the maximum number of mount points. See also mount point.

**mount point**
A logical drive through which volumes are accessed in a sequential access device class. For removable media device types, such as tape, a mount point is a logical drive associated with a physical drive. For the file device type, a mount point is a logical drive associated with an I/O stream. See also mount limit.

**mount retention period**
The maximum number of minutes that the server retains a mounted sequential-access media volume that is not being used before it dismounts the sequential-access media volume.

**mount wait period**
The maximum number of minutes that the server waits for a sequential-access volume mount request to be satisfied before canceling the request.

**MTU**
See maximum transmission unit.

**Nagle algorithm**
An algorithm that reduces congestion of TCP/IP networks by combining smaller packets and sending them together.

**named pipe**
A type of interprocess communication that permits message data streams to pass between peer processes, such as between a client and a server.

**NAS file server**
See network-attached storage file server.

**NAS file server node**
See NAS node.

**NAS node**
A client node that is a network-attached storage (NAS) file server. Data for the NAS node is transferred by a NAS file server that is controlled by the network data management protocol (NDMP). A NAS node is also called a NAS file server node.

**native file system**
A file system that is locally added to the file server and is not added for space management. The hierarchical storage manager (HSM) client does not provide space management services to the file system.

**native format**
A format of data that is written to a storage pool directly by the server. See also non-native data format.

**NDMP**
See Network Data Management Protocol.

**NetBIOS (Network Basic Input/Output System)**
A standard interface to networks and personal computers that is used on local area networks to provide message, print-server, and file-server functions. Application programs that use NetBIOS do not have to handle the details of LAN data link control (DLC) protocols.

**network-attached storage file server (NAS file server)**
A dedicated storage device with an operating system that is optimized for file-serving functions. A NAS file server can have the characteristics of both a node and a data mover.

**Network Basic Input/Output System**
See NetBIOS.

**Network Data Management Protocol (NDMP)**
A protocol that allows a network storage-management application to control the backup and recovery of an NDMP-compliant file server, without installing vendor-acquired software on that file server.

**network data-transfer rate**
A rate that is calculated by dividing the total number of bytes that are transferred by the data transfer time. For example, this rate can be the time that is spent transferring data over a network.

**node**
A file server or workstation on which the...
backup-archive client program has been
installed, and which has been registered
to the server.

node name
A unique name that is used to identify a
workstation, file server, or PC to the
server.

node privilege class
A privilege class that gives an
administrator the authority to remotely
access backup-archive clients for a specific
client node or for all clients in a policy
domain. See also privilege class.

non-native data format
A format of data that is written to a
storage pool that differs from the format
that the server uses for operations. See
also native format.

offline volume backup
A backup in which the volume is locked
so that no other system applications can
access it during the backup operation.

online volume backup
A backup in which the volume is
available to other system applications
during the backup operation.

open registration
A registration process in which users can
register their workstations as client nodes
with the server. See also closed
registration.

operator privilege class
A privilege class that gives an
administrator the authority to disable or
halt the server, enable the server, cancel
server processes, and manage removable
media. See also privilege class.

options file
A file that contains processing options.
See also client system-options file client
user-options file.

originating file system
The file system from which a file was
migrated. When a file is recalled, it is
returned to its originating file system.

orphaned stub file
A file for which no migrated file can be
found on the server that the client node is
contacting for space management services.
For example, a stub file can be orphaned
when the client system-options file is
modified to contact a server that is
different than the one to which the file
was migrated.

packet
In data communication, a sequence of
binary digits, including data and control
signals, that are transmitted and switched
as a composite whole.

page
A defined unit of space on a storage
medium or within a database volume.

partial-file recall mode
A recall mode that causes the hierarchical
storage management (HSM) function to
read just a portion of a migrated file from
storage, as requested by the application
accessing the file.

password generation
A process that creates and stores a new
password in an encrypted password file
when the old password expires.
Automatic generation of a password
prevents password prompting.

path
An object that defines a one-to-one
relationship between a source and a
destination. Using the path, the source
accesses the destination. Data can flow
from the source to the destination, and
back. An example of a source is a data
mover (such as a network-attached
storage [NAS] file server), and an
example of a destination is a tape drive.

pattern-matching character
See wildcard character.

physical file
A file that is stored in one or more
storage pools, consisting of either a single
logical file, or a group of logical files that
are packaged together as an aggregate.
See also aggregate logical file physical
occupancy.

physical occupancy
The amount of space that is used by
physical files in a storage pool. This space
includes the unused space that is created
when logical files are deleted from
aggregates. See also logical file logical
occupancy physical file.
plug-in  
A separately installable software module that adds function to an existing program, application, or interface.

policy domain  
A grouping of policy users with one or more policy sets, which manage data or storage resources for the users. The users are client nodes that are associated with the policy domain. See also active policy set, domain.

policy privilege class  
A privilege class that gives an administrator the authority to manage policy objects, register client nodes, and schedule client operations for client nodes. Authority can be restricted to certain policy domains. See also privilege class.

policy set  
A group of rules in a policy domain. The rules specify how data or storage resources are automatically managed for client nodes in the policy domain. Rules can be contained in management classes. See also active policy set, management class.

premigrated file  
A file that has been copied to server storage, but has not been replaced with a stub file on the local file system. An identical copy of the file resides both on the local file system and in server storage. Premigrated files occur on UNIX and Linux file systems to which space management has been added. See also file state, migrated file, resident file.

premigrated files database  
A database that contains information about each file that has been premigrated to server storage.

premigration  
The process of copying files that are eligible for migration to server storage, but leaving the original file intact on the local file system.

premigration percentage  
A space management setting that controls whether the next eligible candidates in a file system are premigrated following threshold or demand migration.

primary storage pool  
A named set of volumes that the server uses to store backup versions of files, archive copies of files, and files migrated from client nodes. See also copy storage pool, server storage, storage pool, storage pool volume.

privilege class  
A level of authority that is granted to an administrator. The privilege class determines which administrative tasks the administrator can perform. See also authority, node privilege class, operator privilege class, policy privilege class, storage privilege class, system privilege class.

profile  
A named group of configuration information that can be distributed from a configuration manager when a managed server subscribes. Configuration information can include registered administrator IDs, policies, client schedules, client option sets, administrative schedules, storage manager command scripts, server definitions, and server group definitions. See also configuration manager, enterprise configuration, managed server.

profile association  
On a configuration manager, the defined relationship between a profile and an object such as a policy domain. Profile associations define the configuration information that is distributed to a managed server when it subscribes to the profile.

Q

quota  
1. For HSM on AIX, UNIX, or Linux systems, the limit (in megabytes) on the amount of data that can be migrated and premigrated from a file system to server storage.
2. For HSM on Windows systems, a user-defined limit to the space that is occupied by recalled files.
randomization
The process of distributing schedule start times for different clients within a specified percentage of the schedule's startup window.

raw logical volume
A portion of a physical volume that is comprised of unallocated blocks and has no journaled file system (JFS) definition. A logical volume is read/write accessible only through low-level I/O functions.

rebind
To associate all backed-up versions of a file with a new management class name. For example, a file that has an active backup version is rebound when a later version of the file is backed up with a different management class association. See also bind management class.

recall
To copy a migrated file from server storage back to its originating file system using the hierarchical storage management client. See also selective recall.

receiver
A server repository that contains a log of server and client messages as events. For example, a receiver can be a file exit, a user exit, or the server console and activity log. See also event.

reclamation
The process of consolidating the remaining data from many sequential-access volumes onto fewer, new sequential-access volumes.

reclamation threshold
The percentage of space that a sequential-access media volume must have before the server can reclaim the volume. Space becomes reclaimable when files are expired or are deleted.

reconciliation
The process of ensuring consistency between the original data repository and the larger system where the data is stored for backup. Examples of larger systems where the data is stored for backup are storage servers or other storage systems.

During the reconciliation process, data that is identified as no longer needed is removed.

recovery log
A log of updates that are about to be written to the database. The log can be used to recover from system and media failures. The recovery log consists of the active log (including the log mirror) and archive logs.

register
To define a client node or administrator ID that can access the server.

registry
A repository that contains access and configuration information for users, systems, and software.

remote
For hierarchical storage management products, pertaining to the origin of migrated files that are being moved. See also local.

resident file
On a Windows system, a complete file on a local file system that might also be a migrated file because a migrated copy can exist in server storage. On a UNIX or Linux system, a complete file on a local file system that has not been migrated or premigrated, or that has been recalled from server storage and modified. See also file state.

restore
To copy information from its backup location to the active storage location for use. For example, to copy information from server storage to a client workstation.

retention
The amount of time, in days, that inactive backed-up or archived files are kept in the storage pool before they are deleted. Copy group attributes and default retention grace periods for the domain define retention.

retrieve
To copy archived information from the storage pool to the workstation for use. The retrieve operation does not affect the archive version in the storage pool. See also archive.
**root user**
A system user who operates without restrictions. A root user has the special rights and privileges needed to perform administrative tasks.

**SAN**
See **storage area network**.

**schedule**
A database record that describes client operations or administrative commands to be processed. See also administrative command schedule, client schedule.

**scheduling mode**
The type of scheduling operation for the server and client node that supports two scheduling modes: client-polling and server-prompted.

**scratch volume**
A labeled volume that is either blank or contains no valid data, that is not defined, and that is available for use. See also volume.

**script**
A series of commands, combined in a file, that carry out a particular function when the file is run. Scripts are interpreted as they are run. See also Tivoli Storage Manager command script.

**Secure Sockets Layer (SSL)**
A security protocol that provides communication privacy. With SSL, client/server applications can communicate in a way that is designed to prevent eavesdropping, tampering, and message forgery.

**selective backup**
The process of backing up certain files or directories from a client domain. The files that are backed up are those that are not excluded in the include-exclude list. The files must meet the requirement for serialization in the backup copy group of the management class that is assigned to each file. See also incremental backup.

**selective recall**
The process of copying user-selected files from server storage to a local file system. See also recall, transparent recall.

**serialization**
The process of handling files that are modified during backup or archive processing. See also shared dynamic serialization, shared static serialization, static serialization.

**server**
A software program or a computer that provides services to other software programs or other computers. See also client.

**server options file**
A file that contains settings that control various server operations. These settings affect such things as communications, devices, and performance.

**server-prompted scheduling mode**
A client/server communication technique where the server contacts the client node when tasks must be done. See also client-polling scheduling mode.

**server storage**
The primary, copy, and active-data storage pools that are used by the server to store user files such as backup versions, archive copies, and files migrated from hierarchical storage management client nodes (space-managed files). See also active-data pool, copy storage pool, primary storage pool, storage pool, volume.

**session**
A logical or virtual connection between two stations, software programs, or devices on a network that allows the two elements to communicate and exchange data for the duration of the session. See also administrative session.

**session resource usage**
The amount of wait time, processor time, and space that is used or retrieved during a client session.

**shadow copy**
A snapshot of a volume. The snapshot can be taken while applications on the system continue to write data to the volumes.
shadow volume
The data stored from a snapshot of a volume. The snapshot can be taken while applications on the system continue to write data to the volumes.

shared dynamic serialization
A value for serialization that specifies that a file must not be backed up or archived if it is being modified during the operation. The backup-archive client retries the backup or archive operation a number of times; if the file is being modified during each attempt, the backup-archive client will back up or archive the file on its last try. See also dynamic serialization, serialization, shared static serialization, static serialization.

shared library
A library device that is used by multiple storage manager servers. See also library.

shared static serialization
A copy-group serialization value that specifies that a file must not be modified during a backup or archive operation. The client attempts to retry the operation a number of times. If the file is in use during each attempt, the file is not backed up or archived. See also dynamic serialization, serialization, shared dynamic serialization, static serialization.

snapshot
An image backup type that consists of a point-in-time view of a volume.

special file
On AIX, UNIX, or Linux systems, a file that defines devices for the system, or temporary files that are created by processes. There are three basic types of special files: first-in, first-out (FIFO); block; and character.

SSL
See Secure Sockets Layer.

stabilized file space
A file space that exists on the server but not on the client.

stanza
A group of lines in a file that together have a common function or define a part of the system. Stanzas are usually separated by blank lines or colons, and each stanza has a name.

startup window
A time period during which a schedule must be initiated.

static serialization
A copy-group serialization value that specifies that a file must not be modified during a backup or archive operation. If the file is in use during the first attempt, the backup-archive client cannot back up or archive the file. See also dynamic serialization, serialization, shared dynamic serialization, shared static serialization.

storage agent
A program that enables the backup and restoration of client data directly to and from storage attached to a storage area network (SAN).

storage area network (SAN)
A dedicated storage network tailored to a specific environment, combining servers, systems, storage products, networking products, software, and services.

storage hierarchy
A logical order of primary storage pools, as defined by an administrator. The order is typically based on the speed and capacity of the devices that the storage pools use. The storage hierarchy is defined by identifying the next storage pool in a storage pool definition. See also storage pool.

storage pool
A named set of storage volumes that is the destination that is used to store client
data. See also active-data pool, copy storage pool, primary storage pool, storage hierarchy.

storage pool volume
A volume that has been assigned to a storage pool. See also active-data pool, copy storage pool, primary storage pool, server storage, volume.

storage privilege class
A privilege class that gives an administrator the authority to control how storage resources for the server are allocated and used, such as monitoring the database, the recovery log, and server storage. See also privilege class.

stub
A shortcut on the Windows file system that is generated by the hierarchical storage management (HSM) client for a migrated file that allows transparent user access. A stub is the sparse file representation of a migrated file, with a reparse point attached.

stub file
A file that replaces the original file on a local file system when the file is migrated to storage. A stub file contains the information that is necessary to recall a migrated file from server storage. It also contains additional information that can be used to eliminate the need to recall a migrated file. See also migrated file, resident file.

stub file size
The size of a file that replaces the original file on a local file system when the file is migrated to server storage. The size that is specified for stub files determines how much leader data can be stored in the stub file. The default for stub file size is the block size defined for a file system minus 1 byte.

subscription
In a storage environment, the process of identifying the subscribers to which the profiles are distributed. See also enterprise configuration, managed server.

system privilege class
A privilege class that gives an administrator the authority to issue all server commands. See also privilege class.
tape library
A set of equipment and facilities that support an installation's tape environment. The tape library can include tape storage racks, mechanisms for automatic tape mounting, a set of tape drives, and a set of related tape volumes mounted on those drives.

tape volume prefix
The high-level-qualifier of the file name or the data set name in the standard tape label.

target node
A client node for which other client nodes (called agent nodes) have been granted proxy authority. The proxy authority allows the agent nodes to perform operations such as backup and restore on behalf of the target node, which owns the data.

TCA See trusted communications agent

TCP/IP See Transmission Control Protocol/Internet Protocol

threshold migration
The process of moving files from a local file system to server storage based on the high and low thresholds that are defined for the file system. See also automatic migration, demand migration, migration job, selective migration

throughput
In storage management, the total bytes in the workload, excluding overhead, that are backed up or restored, divided by elapsed time.

timeout
A time interval that is allotted for an event to occur or complete before operation is interrupted.

Tivoli Storage Manager command script
A sequence of Tivoli Storage Manager administrative commands that are stored in the database of the Tivoli Storage Manager server. The script can run from any interface to the server. The script can include substitution for command parameters and conditional logic. See also macro file, script

tombstone object
A small subset of attributes of a deleted object. The tombstone object is retained for a specified period, and at the end of the specified period, the tombstone object is permanently deleted.

Transmission Control Protocol/Internet Protocol (TCP/IP)
An industry-standard, nonproprietary set of communication protocols that provides reliable end-to-end connections between applications over interconnected networks of different types. See also communication method

transparent recall
The process that is used to automatically recall a migrated file to a workstation or file server when the file is accessed. See also selective recall

trusted communications agent (TCA)
A program that handles the sign-on password protocol when clients use password generation.

UCS-2 A 2-byte (16-bit) encoding scheme based on ISO/IEC specification 10646-1. UCS-2 defines three levels of implementation: Level 1-No combining of encoded elements allowed; Level 2-Combining of encoded elements is allowed only for Thai, Indic, Hebrew, and Arabic; Level 3-Any combination of encoded elements are allowed.

UNC See Universal Naming Convention

Unicode
A character encoding standard that supports the interchange, processing, and display of text that is written in the common languages around the world, plus many classical and historical texts.

Unicode-enabled file space
Unicode file space names provide support for multilingual workstations without regard for the current locale.

Universally Unique Identifier (UUID)
The 128-bit numeric identifier that is used to ensure that two components do not have the same identifier. See also Globally Unique Identifier
Universal Naming Convention (UNC)  
The server name and network name combined. These names together identify the resource on the domain.

UTF-8  
Unicode Transformation Format, 8-bit encoding form, which is designed for ease of use with existing ASCII-based systems. The CCSID value for data in UTF-8 format is 1208. See also UCS-2.

UUID  
See Universally Unique Identifier.

validate  
To check a policy set for conditions that can cause problems if that policy set becomes the active policy set. For example, the validation process checks whether the policy set contains a default management class.

version  
A backup copy of a file stored in server storage. The most recent backup copy of a file is the active version. Earlier copies of the same file are inactive versions. The number of versions retained by the server is determined by the copy group attributes in the management class.

virtual file space  
A representation of a directory on a network-attached storage (NAS) file system as a path to that directory.

virtual mount point  
A directory branch of a file system that is defined as a virtual file system. The virtual file system is backed up to its own file space on the server. The server processes the virtual mount point as a separate file system, but the client operating system does not.

virtual volume  
An archive file on a target server that represents a sequential media volume to a source server.

volume  
A discrete unit of storage on disk, tape or other data recording medium that supports some form of identifier and parameter list, such as a volume label or input/output control. See also scratch volume, server storage, storage pool, storage pool volume.

volume history file  
A file that contains information about volumes that have been used by the server for database backups and for export of administrator, node, policy, or server data. The file also has information about sequential-access storage pool volumes that have been added, reused, or deleted. The information is a copy of volume information that is recorded in the server database.

Volume Shadow Copy Service (VSS)  
A set of Microsoft application-programming interfaces (APIs) that are used to create shadow copy backups of volumes, exact copies of files, including all open files, and so on.

VSS  
See Volume Shadow Copy Service.

VSS Backup  
A backup operation that uses Microsoft Volume Shadow Copy Service (VSS) technology. The backup operation produces an online snapshot (point-in-time consistent copy) of Microsoft Exchange data. This copy can be stored on local shadow volumes or on Tivoli Storage Manager server storage.

VSS Fast Restore  
An operation that restores data from a local snapshot. The snapshot is the VSS backup that resides on a local shadow volume. The restore operation retrieves the data by using a file-level copy method.

VSS Instant Restore  
An operation that restores data from a local snapshot. The snapshot is the VSS backup that resides on a local shadow volume. The restore operation retrieves the data by using a hardware assisted restore method (for example, a FlashCopy operation).

VSS offloaded backup  
A backup operation that uses a Microsoft Volume Shadow Copy Service (VSS) hardware provider (installed on an alternate system) to move IBM Data Protection for Microsoft Exchange data to the Tivoli Storage Manager server. This type of backup operation shifts the backup load from the production system to another system.
VSS Restore
A function that uses a Microsoft Volume Shadow Copy Service (VSS) software provider to restore VSS Backups (IBM Data Protection for Microsoft Exchange database files and log files) that reside on Tivoli Storage Manager server storage to their original location.
**wildcard character**
A special character such as an asterisk (*) or a question mark (?) that can be used to represent one or more characters. Any character or set of characters can replace the wildcard character.

**workload partition (WPAR)**
A partition within a single operating system instance.

**workstation**
A terminal or personal computer at which a user can run applications and that is usually connected to a mainframe or a network.

**worldwide name (WWN)**
A 64-bit, unsigned name identifier that is unique.

WPAR See [workload partition](#)

WWN See [worldwide name](#)