HPSS

Error Messages Reference Manual

High Performance Storage System
Release 4.1.1

November 1999 (Revision 2)

HPSS Error Messages Reference Manual

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Table of Contents

HPSS Error Messages Reference Manual

	Table of Contents	*v*
	HPSS Error Messages Reference Manual	*v*
CHAPTER 1	*Accounting Error Messages (ACCT Series)*	*1-1*
CHAPTER 2	*Bitfile Server Error Messages (BFSR Series)*	*2-1*
CHAPTER 3	*Infrastructure Configuration Error Messages (CONF Series)*	*3-1*
CHAPTER 4	*Common Services Library Error Messages (CSHL Series)*	*4-1*
CHAPTER 5	*DCE Error Messages (DCES Series)*	*5-1*
CHAPTER 6	*Delog Error Messages (DLOG Series)*	*6-1*
CHAPTER 7	*DMAP Gateway Error Messages (DMG Series)*	*7-1*
CHAPTER 8	*HDM Error Messages (HDM Series)*	*8-1*
CHAPTER 9	*HPSS Security (HSEC Series)*	*9-1*
CHAPTER 10	*Location Client (LCLI Series)*	*10-1*
CHAPTER 11	*Logging Interface Error Messages (LOG_ Series)*	*11-1*
CHAPTER 12	*Log Client Error Messages (LOGC Series)*	*12-1*
CHAPTER 13	*Log Daemon (LOGD Series)*	*13-1*
CHAPTER 14	*Location Server (LSRV)*	*14-1*
CHAPTER 15	*Metadata Manager API Error Messages (MMGR Series)*	*15-1*

CHAPTER 16 *Metadata Monitor Error Messages (MMON Series)* *16-1*

CHAPTER 17 *Mover Error Messages (MOVR Series)* *17-1*

CHAPTER 18 *Migration / Purge Server Error Messages (MPSR Series)* *18-1*

CHAPTER 19 *Non-DCE Client Gateway Error Messages (NDCG Series)* *19-1*

CHAPTER 20 *NFS Daemon Error Messages (NFS2 Series)* *20-1*

CHAPTER 21 *NFS Header Error Messages (NFSH Series)* *21-1*

CHAPTER 22 *Name Server Error Messages (NSRV Series)* *22-1*

CHAPTER 23 *Physical Volume Library Error Messages (PVLS Series)* *23-1*

CHAPTER 24 *Physical Volume Repository Error Messages (PVRS Series)* *24-1*

CHAPTER 25 *SSM Data Server Error Messages (SSMD Series)* *25-1*

CHAPTER 26 *SSM System Manager Error Messages (SSMS Series)* *26-1*

CHAPTER 27 *Storage Server Error Messages (SSRV Series)* *27-1*

CHAPTER 28 *Startup Daemon Error Messages (SUDD Series)* *28-1*

Preface

HPSS Error Messages Reference Manual

This *HPSS (High Performance Storage System) Error Messages Reference Manual* provides the necessary information for interpreting and understanding HPSS subsystem error messages. It is designed for both HPSS administration and operations personnel.

Administrators are normally responsible for initial installation and system configuration, as well as setting and managing site-specific HPSS policies. Operators are responsible for starting, monitoring, controlling, and stopping HPSS and its components during normal daily operation. Depending on the site, administrative and operational tasks may be performed by the same or different personnel.

The *HPSS Error Messages Reference Manual* is one in a series of documents intended to provide a complete set of information about HPSS. Other documents include the *HPSS System Administration Guide*, *HPSS User's Guide*, and the *HPSS Programmer Reference.*

Information in this manual is grouped by HPSS subsystem component. For each component, all errors are listed in numerical order preceeded by a four-letter acronym for the component. These acronym / number error identifications are generated by the HPSS logging service and will be what you see in the HPSS logs and on the HPSS management displays.

The following information is provided for each error message:

- The error number and error message
- The HPSS source file(s) that generates this error
- A description of the likely cause(s) of the error
- A description of further action(s) the error may cause
- Suggested administrative action(s) that should be taken

The errors are listed in this document by HPSS subsystem component in the following order:

Accounting	(ACCTxxxx)
Bitfile Server	(BFSSxxxx)
Infrastructure Configuration	(CONFxxxx)
Common Services Library	(CSHLxxxx)
DCE	(DCESxxxx)
Delog	(DLOGxxxx)
DMAP Gateway	(DMGxxxx)
HDM	(HDMxxxx)
HPSS Security	(HSECxxxx)
Location Client	(LCLIxxxx)
Logging Interface	(LOG_xxxx)
Log Client	(LOGCxxxx)
Log Daemon	(LOGDxxxx)
Location Server	(LSRVxxxx)
Metadata Manager	(MMGRxxxx)
Metadata Monitor	(MMONxxxx)
Mover	(MOVRxxxx)
Migration / Purge Server	(MPSRxxxx)
NFS Daemon	(NFSDxxxx)
NFS Header	(HDRxxxx)
Name Server	(NSRVxxxx)
Physical Volume Library	(PVLSxxxx)
Physical Volume Repository	(PVRSxxxx)
SSM Data Server	(SSMDxxxx)
SSM System Manager	(SSMSxxxx)
Storage Server	(SSRVxxxx)

Startup Daemon (SUDDxxxx)

This version of the *HPSS Error Messages Reference Manual* represents error message information for the components of HPSS Release 4.1.

For additional information on HPSS system installation, configuration, maintenance and intervention procedures, or detailed HPSS component information, please refer to the *HPSS System Administration Guide*.

Chapter 1

Accounting Error Messages (ACCT Series)

ACCT0001 System call %s failed

Source Files Generating Error Message: acct_Main.c
Problem Description: A system call failed.
System Action: Accounting terminates with an error
Administrator Action: Examine system call name and error number

ACCT0002 Accounting starting up

Source Files Generating Error Message: acct_Main.c
Problem Description: None. Accounting is starting up and initializing.
System Action: None.
Administrator Action: None.

ACCT0003 Accounting exiting normally

Source Files Generating Error Message: acct_Main.c
Problem Description: None. Accounting is exiting normally after a good run.
System Action: None
Administrator Action: None

ACCT0004 Accounting exiting with an error

Source Files Generating Error Message: acct_Main.c
Problem Description: A previous fatal error has caused Accounting to exit abnormally
System Action: Accounting exits with an error code
Administrator Action: Follow instructions for the previous error

ACCT0005 Unknown startup option

Source Files Generating Error Message: acct_Main.c
Problem Description: An unknown command line argument was found
System Action: Accounting exits without processing any files
Administrator Action: Make sure Accounting is configured and started up properly from SSM.

ACCT0006 Missing account configuration name

Source Files Generating Error Message: acct_Main.c
Problem Description: The required account policy metadata pathname is missing.
System Action: Accounting exits without processing any files
Administrator Action: Enter the correct account policy metadata pathname into SSM.

ACCT0007 Missing general configuration name

Source Files Generating Error Message: acct_Main.c
Problem Description: The required general configuration metadata pathname is missing
System Action: Accounting exits without processing any files
Administrator Action: Enter the correct general configuration metadata pathname into SSM

ACCT0008 Can't open report file for writing

Source Files Generating Error Message: acct_Main.c
Problem Description: Accounting is unable to open the specified report file path name for writing
System Action: Accounting exits without processing any files
Administrator Action: Make sure the report file pathname is correct in SSM and that the path has the proper permissions set

ACCT0009 Starting accounting run

Source Files Generating Error Message: acct_Main.c
Problem Description: None. The account run is starting.
System Action: None.
Administrator Action: None.

ACCT0010 Accounting run successfully completed

Source Files Generating Error Message: acct_Main.c
Problem Description: None. The accounting run completed successfully
System Action: None.
Administrator Action: None.

ACCT0011 Scan for accounting info failed

Source Files Generating Error Message: acct_Main.c
Problem Description: A previous fatal error occurred while scanning accounting data.
System Action: Accounting will exit abnormally without generating a report file
Administrator Action: Follow instructions for previous error

ACCT0012 Report generation failed

Source Files Generating Error Message: acct_Main.c
Problem Description: An error occurred while generating the report file
System Action: Accounting will exit abnormally
Administrator Action: Verify that the report file has proper permissions and there is enough space on the volume it resides on.

ACCT0013 Not enough memory to allocate array

Source Files Generating Error Message: acct_Main.c

Problem Description: Accounting ran out of memory while initially trying to allocate the summation array

System Action: Accounting will exit without processing any files

Administrator Action: Supply more memory to Accounting.

ACCT0014 Not enough memory to reallocate array

Source Files Generating Error Message: acct_Main.c

Problem Description: Accounting ran out of memory while trying to extend summation array

System Action: Accounting will terminate abnormally without generating a report file

Administrator Action: Supply more memory to Accounting

ACCT0015 Can't initialize ofd's

Source Files Generating Error Message: acct_Main.c

Problem Description: Accounting is unable to initialize the metadata open file descriptor list

System Action: Accounting will terminate abnormally without processing any files

Administrator Action: Make sure the system is configured properly and Accounting has enough memory. This error will may affect other servers.

ACCT0016 Checkpoint path name is missing

Source Files Generating Error Message: acct_Main.c

Problem Description: The required checkpoint file pathname is missing in the accounting policy

System Action: Accounting will terminate abnormally without processing any files

Administrator Action: Enter a pathname in SSM where the checkpoint file should be stored.

ACCT0017 Report file path name is missing

Source Files Generating Error Message: acct_Main.c

Problem Description: The required report file pathname is missing in the accounting policy

System Action: Accounting will terminate abnormally without processing any files

Administrator Action: Enter a pathname in SSM where the generated report file should be written

ACCT0018 Can't open comment file for reading

Source Files Generating Error Message: acct_Main.c

Problem Description: The commentary path cannot be read.

System Action: If the file doesn't exist or permissions don't allow reading, Accounting continues to process. Any other error will terminate Accounting abnormally without processing any files.

Administrator Action: Verify the commentary file exists and has proper permissions set, or remove the commentary file pathname from the accounting policy if it is not needed.

ACCT0019 Resumed previous accounting run

Source Files Generating Error Message: acct_Main.c

Problem Description: None. Accounting is resuming a previously interrupted accounting run

System Action: None.

Administrator Action: None.

ACCT0020 Can't record run status

Source Files Generating Error Message: acct_Main.c

Problem Description: The accounting run status cannot be recorded into the accounting policy.

System Action: If during Accounting startup, no files are processed and Accounting terminates abnormally. Otherwise, if after a report file has been generated, Accounting terminates normally but keeps the checkpoint file

Administrator Action: Check that the accounting policy record can be updated properly within SSM.

ACCT0021 Accounting run completed successfully

Source Files Generating Error Message: acct_Main.c

Problem Description: None. The accounting run is finished with no errors.

System Action: None.

Administrator Action: None.

ACCT0022 Can't open bf descriptor ofd

Source Files Generating Error Message: acct_Main.c

Problem Description: The bitfile descriptor metadata file cannot be opened

System Action: Accounting terminates abnormally without processing any files.

Administrator Action: Verify the metadata file exists and can be accessed properly through other methods (ftp, nfs, client api, etc).

ACCT0023 Can't read bitfile descriptor file

Source Files Generating Error Message: acct_Main.c

Problem Description: The bitfile descriptor metadata file cannot be read

System Action: Accounting terminates abnormally without generating a report file

Administrator Action: Verify the metadata file exists and can be accessed properly through other methods (ftp, nfs, client api, etc).

ACCT0024 Can't get bitfile count

Source Files Generating Error Message: acct_Main.c

Problem Description: Can't obtain number of records in the bitfile descriptor metadata file

System Action: Accounting terminates abnormally without generating a report file

Administrator Action: Verify the metadata file exists and can be accessed properly through other methods (ftp, nfs, client api, etc).

ACCT0025 Can't open bf disk segment file

Source Files Generating Error Message: acct_Main.c

Problem Description: The bitfile disk segment metadata file cannot be opened

System Action: Accounting terminates abnormally without processing any files.

Administrator Action: Verify the metadata file exists and can be accessed properly through other methods (ftp, nfs, client api, etc).

ACCT0026 Can't open bf tape segment file

Source Files Generating Error Message: acct_Main.c

Problem Description: The bitfile tape segment metadata file cannot be opened

System Action: Accounting terminates abnormally without processing any files.

Administrator Action: Verify the metadata file exists and can be accessed properly through other methods (ftp, nfs, client api, etc).

ACCT0027 Can't read bf disk segment file

Source Files Generating Error Message: acct_Main.c

Problem Description: The bitfile disk segment metadata file cannot be read

System Action: Accounting terminates abnormally without generating a report file

Administrator Action: Verify the metadata file exists and can be accessed properly through other methods (ftp, nfs, client api, etc).

ACCT0028 Can't read bf tape segment file

Source Files Generating Error Message: acct_Main.c

Problem Description: The bitfile tape segment metadata file cannot be read

System Action: Accounting terminates abnormally without generating a report file

Administrator Action: Verify the metadata file exists and can be accessed properly through other methods (ftp, nfs, client api, etc).

ACCT0029 Can't read accounting policy record

Source Files Generating Error Message: acct_Main.c

Problem Description: The accounting policy metadata record cannot be read.

System Action: Accounting terminates abnormally without generating a report file

Administrator Action: Make sure the accounting policy record exists and can be accessed through SSM

ACCT0030 Can't update accounting policy record

Source Files Generating Error Message: acct_Main.c

Problem Description: The accounting policy metadata record cannot be updated.

System Action: Accounting terminates abnormally without generating a report file

Administrator Action: Make sure the accounting policy record exists and can be accessed through SSM

ACCT0031 Can't free an ofd

Source Files Generating Error Message: acct_Main.c

Problem Description: A metadata file's open file descriptor cannot be freed

System Action: Accounting terminates without generating a report file

Administrator Action: Make sure the HPSS system is configured properly. This problem may affect other servers.

ACCT0032 Can't open general server config file

Source Files Generating Error Message: acct_Main.c

Problem Description: The general server configuration metadata file could not be opened

System Action: Accounting terminates abnormally without processing any files

Administrator Action: Make sure the metadata file can be accessed properly through SSM

ACCT0033 Can't read bfs general server record

Source Files Generating Error Message: acct_Main.c

Problem Description: The Bitfile Server's general configuration metadata record cannot be read

System Action: Accounting terminates abnormally without processing any files

Administrator Action: Make sure the Bitfile Server's general configuration metadata record exists and can be accessed through SSM

ACCT0035 Can't read bfs specific server record

Source Files Generating Error Message: acct_Main.c

Problem Description: The Bitfile Server's specific configuration metadata record could not be read

System Action: Accounting terminates abnormally without processing any files

Administrator Action: Make sure the metadata file and record can be accessed properly through SSM

ACCT0036 Accounting run bitfiles processed: %s

Source Files Generating Error Message: acct_Main.c

Problem Description: None. This is a status message sent displayed periodically during an account run

System Action: None.

Administrator Action: None.

ACCT0037 Accounting is already running

Source Files Generating Error Message: acct_Main.c

Problem Description: An attempt was made to start a Accounting when an Accounting process is currently running

System Action: The second Accounting process terminates before processing any files. The first Accounting process continues to execute

Administrator Action: After verifying that there is no existing Accounting process, delete the accounting lock file. It has the same name as the checkpoint file with '.lck' appended to it.

ACCT0038 Can't open accounting checkpoint file

Source Files Generating Error Message: acct_Main.c

Problem Description: The accounting checkpoint file could not be opened.

System Action: Accounting terminates abnormally without generating a report file

Administrator Action: Make sure the checkpoint file path is correct and can be accessed.

ACCT0039 Can't unlock lock file

Source Files Generating Error Message: acct_Main.c

Problem Description: An error occurred while trying to unlock the accounting lock file.

System Action: Accounting terminates normally since it has already generated a report file

Administrator Action: Remove the accounting lock file. It has the same name as the checkpoint file with '.lck' appended

ACCT0040 Error trying to check lock file

Source Files Generating Error Message: acct_Main.c

Problem Description: An error occurred while trying to lock the accounting lock file

System Action: Accounting terminates abnormally without processing any files

Administrator Action: Verify no Accounting processes are currently running. Remove the lock file. It has the same name as the checkpoint file with '.lck' appended to it.

ACCT0048 Accounting Run Terminated by SSM

Source Files Generating Error Message: acct_Main.c

Problem Description: None. An SSM user has terminated the account run

System Action: None.

Administrator Action: None.

ACCT0049 Can't open lock file

Source Files Generating Error Message: acct_Main.c

Problem Description: The lock file could not be opened

System Action: Accounting will terminate abnormally without processing any files

Administrator Action: Remove any existing lock file. It has the same name as the checkpoint file with '.lck' appended to it.

ACCT0050 Can't close lock file

Source Files Generating Error Message: acct_Main.c

System Action: During startup, Accounting will terminate abnormally without processing any files. During shutdown, Accounting will terminate normally

Administrator Action: Remove any existing lock file. It has the same name as the checkpoint file with '.lck' appended to it.

ACCT0053 Can't unlink lock file

Source Files Generating Error Message: acct_Main.c

Problem Description: The lock file could not be removed after a successful accounting run

System Action: Accounting will terminate normally since a report file has already been generated.

Administrator Action: Remove the lock file. It has the same name as the checkpoint file with '.lck' appended.

ACCT0055 Can't allocate disk map array

Source Files Generating Error Message: acct_Main.c

Problem Description: Accounting ran out of memory while trying to examine disk maps.

System Action: Accounting will terminate abnormally without generating a report file

Administrator Action: Supply more memory to Accounting. If this fails, at least one bitfile has a very large number of disk maps and should be moved to a different class of service.

ACCT0056 Can't open bf disk map file

Source Files Generating Error Message: acct_Main.c

Problem Description: The bitfile disk map metadata file could not be opened.

System Action: Accounting will terminate abnormally without processing any files

Administrator Action: Verify the metadata file exists and can be accessed properly through other methods (ftp, nfs, client api, etc).

ACCT0057 Can't read bf disk map file

Source Files Generating Error Message: acct_Main.c

Problem Description: The bitfile disk map metadata file could not be read.

System Action: Accounting will terminate abnormally without processing any files

Administrator Action: Verify the metadata file exists and can be accessed properly through other methods (ftp, nfs, client api, etc).

Chapter 2

Bitfile Server Error Messages (BFSR Series)

BFSR0001 System call <sys-func-name> failed

Source Files Generating Error Message: bfs_Log.c, Called indirectly by: bfs_OpenContext.c, bfs_BitfileSetAttrs.c, bfs_COS.c, bfs_Clear.c, bfs_CopyData.c, bfs_CopyFile.c, bfs_Create.c, bfs_DiskMap.c, bfs_Hier.c, bfs_Init.c, bfs_LockRtns.c, bfs_Misc.c, bfs_Open.c, bfs_Purge.c, bfs_ReadData.c, bfs_SClass.c, bfs_SegmentsCache.c, bfs_Stage.c, bfs_Unlink.c, bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: An operating system function call returned an error status.

System Action: Usually aborts the Bitfile Server.

Administrator Action: Look at system call error; fix system problem; restart server.

BFSR0002 BFS configuration initialization error

Source Files Generating Error Message: bfs_Init.c

Problem Description: bfs_InitConfig() returned an error status.

System Action: Aborts the Bitfile Server.

Administrator Action: Check BFS configuration file; fix problem; restart server.

BFSR0003 Request list initialization error

Source Files Generating Error Message: bfs_Init.c

Problem Description: hpss_ReqListInit() returned an error status because of a problem with pthread_mutex_init().

System Action: Aborts the Bitfile Server.

Administrator Action: Check DCE locking system; fix problem; restart server.

BFSR0004 Error on mutex initialization

Source Files Generating Error Message: bfs_BfOpenContext.c, bfs_CopyData.c, bfs_Init.c, bfs_LockRtns.c, bfs_Misc.c, bfs_Open.c, bfs_ReadData.c

Problem Description: pthread_mutex_init() returned an error status.

System Action: Aborts the Bitfile Server.

Administrator Action: Check DCE locking system; fix problem; restart server.

BFSR0005 Error in processing UUID

Source Files Generating Error Message: bfs_BfCache.c, bfs_CopyData.c, bfs_LockRtns.c, bfs_Misc.c, bfs_Open.c, bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: Call to uuid-function returned an error status.

System Action: Return HPSS_EINVAL. For uuid_create(), abort the Bitfile Server.

Administrator Action: Check DCE system.

BFSR0006 BFS initialize register error

Source Files Generating Error Message: bfs_Init.c

Problem Description: bfs_InitRegister() returned an error status because of a problem with hpss_InitConnections() or hpss_RegisterService().

System Action: Aborts the Bitfile Server.

Administrator Action: Check DCE; fix problem; restart server.

BFSR0008 BFS initialize Class of Service error

Source Files Generating Error Message: bfs_tCOS.c

Problem Description: mm_ReadAllCOSs() returned an error status. This means there was a problem setting up the class of service tables.

System Action: Aborts the Bitfile Server.

Administrator Action: Check class of service metadata; restart the Bitfile Server.

BFSR0009 BFS Main(): rpc server listen error

Source Files Generating Error Message: bfs_Main.c

Problem Description: trdce_ServerListen() returned an error status.

System Action: Aborts the Bitfile Server.

Administrator Action: Fix DCE problem; restart the Bitfile Server.

BFSR0010 Open context list is corrupted

Source Files Generating Error Message: bfs_BfOpenContext.c

Problem Description: Error in the Bitfile Server open context list processing.

System Action: Aborts the Bitfile Server.

Administrator Action: Restart the Bitfile Server. Investigate probable code error in BFS code with maintenance person.

BFSR0011 Failure in locking mutex

Source Files Generating Error Message: bfs_LockRtns.c,bfs_BfOpenContext.cc

Problem Description: Error from pthread_mutex_lock().

System Action: Aborts the Bitfile Server.

Administrator Action: Check DCE locking; restart the Bitfile Server.

BFSR0012 Failure in unlocking mutex

Source Files Generating Error Message: bfs_LockRtns.c

Problem Description: Error from pthread_mutex_unlock().

System Action: Aborts the Bitfile Server.

Administrator Action: Check DCE locking; restart the Bitfile Server.

BFSR0013 Read BFS metadata configuration error

Source Files Generating Error Message: bfs_Init.c

Problem Description: Error reading the Bitfile Server information record using mm_ReadServerConfigByDescName().

System Action: Aborts the Bitfile Server.

Administrator Action: Check metadata in Encina SFS; restart the Bitfile Server.

BFSR0014 Metadata information is not BF Server

Source Files Generating Error Message: bfs_Init.c

Problem Description: The hpss_server_config.ServerType returned from a call to mm_ReadServerConfigByDescName() was not a Bitfile Server.

System Action: Aborts the Bitfile Server.

Administrator Action: Check configuration file in Encina SFS; restart the Bitfile Server.

BFSR0015 Read BFS metadata config-file error

Source Files Generating Error Message: bfs_Init.c

Problem Description: An error was returned calling mm_ReadBFS() to read in the Bitfile Server configuration file.

System Action: Aborts the Bitfile Server.

Administrator Action: Check the Bitfile Server configuration file in Encina SFS; restart the Bitfile Server. Also make sure server ID in generic configuration file is correct.

BFSR0016 Read SS metadata configuration error

Source Files Generating Error Message: bfs_Init.c

Problem Description: An error was returned calling mm_ReadServerConfig() to read in the Storage Server's configuration file.

System Action: Aborts the Bitfile Server.

Administrator Action: Check the Storage Server's configuration file in Encina SFS; restart the Bitfile Server.

BFSR0017 Metadata copy is not Storage Server

Source Files Generating Error Message: bfs_Init.c

Problem Description: The hpss_server_config.ServerType returned from a call to mm_ReadServerConfig() was not a Storage Server.

System Action: Aborts the Bitfile Server.

Administrator Action: Check configuration data in Encina SFS; restart the Bitfile Server.

BFSR0018 Condition variable init. error

Source Files Generating Error Message: bfs_CopyData.c, bfs_LockRtns.c, bfs_Misc.c, bfs_Open.c

Problem Description: Error initializing the condition variable.

System Action: Aborts the Bitfile Server.

Administrator Action: Check DCE locking system; fix problem; restart server.

BFSR0019 BFS register initialization error

Source Files Generating Error Message: bfs_Init.c

Problem Description: Error status return from hpss_InitConnections() or hpss_RegisterService().

System Action: Returns negative error code, which aborts the Bitfile Server in bfs_Init().

Administrator Action: Check DCE RPC functions; fix problem; restart server.

BFSR0020 Get DCE binding handle for SS error

Source Files Generating Error Message: bfs_BindToSS.c

Problem Description: Error status return from hpss_FindService(). Failed to get a binding handle for the Storage Server.

System Action: Error message is logged. Any request associated with the error will fail. BFS will attempt to reconnect to the Storage Server next time Storage Server is needed to satisfy a request.

Administrator Action: Make sure Storage Server is operational. If not, start it. If it is, check configuration information to make sure BFS is configured correctly in relation to Storage Servers. If so, check for possible DCE problems.

BFSR0021 Open SS context connection error

Source Files Generating Error Message: bfs_BindToSS.c

Problem Description: Error status return from hpss_OpenConnection(). Failed to open a connection to the Storage Server.

System Action: Error message is logged. Any request associated with the error will fail. BFS will attempt to reconnect to the Storage Server next time Storage Server is needed to satisfy a request

Administrator Action: Make sure Storage Server is operational. If not, start it. If it is, check configuration information to make sure BFS is configured correctly in relation to Storage Servers. If so, check for possible DCE problems.

BFSR0023 Request list insert failed

Source Files Generating Error Message: bfs_BitfileGetAttrs.c, bfs_BitfileSetAttrs.c, bfs_Clear.c, bfs_Close.c, bfs_CopyFile.c, bfs_Create.c,bfs_COS.c, bfs_Migrate.c, bfs_Open.c, bfs_Purge.c, bfs_Read.c, bfs_Stage.c, bfs_Unlink.c, bfs_Write.c

Problem Description: Failure of hpss_ReqListInsertEntry() to insert an entry in the request list. This could be a system malloc() failure or a DCE failure with pthread_mutex_lock() or unlock.

System Action: Returns negative error code HPSS_ESYSTEM and logs error.

Administrator Action: Check system memory problems and DCE locking; fix problem; restart the Bitfile Server.

BFSR0024 Exclusive lock on bitfile failed

Source Files Generating Error Message: bfs_BitfileSetAttrs.c, bfs_Close.c,bfs_COS.c, bfs_Open.c, bfs_Unlink.c

Problem Description: Error status return from bfs_GetExLockBf(), which in turn had one of these failures: uuid_hash() or malloc().

System Action: Returns negative error code.

Administrator Action: Check system memory problems and DCE; fix problem; restart the Bitfile Server.

BFSR0025 Find bitfile cache failed

Source Files Generating Error Message: bfs_BitfileGetAttrs.c, bfs_BitfileSetAttrs.c, bfs_Open.c,bfs_Unlink.c

Problem Description: Attempt to locate the bitfile cache by calling bfs_FindBfCache() failed. The error in bfs_FindBfCache() stems from uuid_hash().

System Action: Returns negative error code.

Administrator Action: Fix DCE problem with uuid_hash(); restart the Bitfile Server.

BFSR0026 Read bitfile descriptor metadata error

Source Files Generating Error Message: bfs_BitfileGetAttrs.c, bfs_BitfileSetAttrs.c, bfs_CheckpointSeg.c, bfs_Clear.c, bfs_CopyData.c, bfs_Open.c, bfs_ReadData.c, bfs_Unlink.c, bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: Error returned from mm_ReadBitfile() trying to read in the bitfile descriptor.

System Action: Returns negative error code and logs message. For bfs_UnlinkNopen(), aborts the transaction. In recovery situations (bfs_WriteDisk.c, bfs_WriteTape.c, bfs_ReadData.c), the Bitfile Server is aborted.

Administrator Action: Fix Encina/metadata problem; restart the Bitfile Server if necessary.

BFSR0027 Failure deleting request list entry

Source Files Generating Error Message: bfs_Asynch.c,bfs_BitfileGetAttrs.c,bfs_BitfileSetAttrs.c, bfs_Clear.c, bfs_Close.c, bfs_CopyFile.c, bfs_Create.c,bfs_COS.c, bfs_Migrate.c, bfs_Open.c, bfs_Purge.c, bfs_Read.c, bfs_Stage.c, bfs_Unlink.c, bfs_Write.c

Problem Description: Attempt to perform hpss_ReqListDeleteEntry() returned error signifying request list locking problems or entry not found.

System Action: Aborts the Bitfile Server.

Administrator Action: Check DCE locking; restart the Bitfile Server.

BFSR0028 Invalid bitfile handle

Source Files Generating Error Message: bfs_BitfileOpenGetAttrs.c, bfs_Close.c,bfs_COS..c,bfs_Misc.c,bfs_Purge.c,bfs_Read.c,bfs_Stage.c,bfs_Write.c

Problem Description: Attempt to get the bitfile open context block from the bitfile handle by calling bfs_ConvertBfHandle() failed. Error could come from bitfile handle index out of range or an error with uuid_equal() in comparing the identifiers in the handle and the context.

System Action: Returns negative error code.

Administrator Action: None. Note error message. Probable user error.

BFSR0029 Set current position not allowed

Source Files Generating Error Message: bfs_BitfileSetAttrs.c

Problem Description: Client is trying to do a position set in a call to bfs_BitfileSetAttrs(), which is not allowed.

System Action: Returns negative error code HPSS_EINVAL.

Administrator Action: User should not attempt to set position in a file by calling bfs_BitfileSetAttrs().

BFSR0030 Set owner-record failed

Source Files Generating Error Message: bfs_Unlink.c

Problem Description: Error return from bfs_SetOwnerRec(). Error could be caused by reverse map count exceeding maximum allowed number or failure to find a reverse map to delete.

System Action: Aborts the transaction.

Administrator Action: Probable system error. Contact HPSS software support.

BFSR0032 Security not used in Release 3

Source Files Generating Error Message: bfs_Create.c

Problem Description: For Release 3, security is not used.

System Action: Returns a negative error code, HPSS_ENOSUPPORT.

Administrator Action: Probable HPSS software error. Contact HPSS software support.

BFSR0033 Allocate bitfile metadata OFD error

Source Files Generating Error Message: bfs_BitfileGetAttrs.c, bfs_BitfileSetAttrs.c, bfs_COS.c, bfs_CheckpointSeg.c, bfs_Clear.c, bfs_Close.c, bfs_CopyData.c, bfs_CopyFile.c, bfs_Create.c, bfs_DiskMap.c, bfs_Hier.c, bfs_Init.c, bfs_Misc.c, bfs_Open.c, bfs_Purge.c, bfs_ReadData.c, bfs_SClass.c, bfs_SegmentsCache.c, bfs_SetDataLen.c, bfs_Unlink.c, bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: Call to hpss_GetOfd() to allocate an OFD for bitfile metadata failed. Possible causes include: bad OFD filename, mutex lock failure, malloc() failure to allocate a new ofd structure in OFD manager.

System Action: Aborts the transaction and returns a negative error code. In initialization and transaction abort recovery situations, this will abort the Bitfile Server.

Administrator Action: If server aborted, make sure SFS is operating correctly. If aborted during initialization of the Bitfile Server, check configuration for bad SFS file names. Correct and restart the Bitfile Server.

BFSR0035 Set attribute failed

Source Files Generating Error Message: bfs_BitfileSetAttrs.c, bfs_CopyFile.c,bfs_CheckpointSeg.c,bfs_WriteTape.c

Problem Description: Failed to set an attribute for the bitfile.

System Action: Aborts the transaction.

Administrator Action: Examine specifics of error code to determine if user error.

BFSR0036 Update bitfile descriptor failed

Source Files Generating Error Message: bfs_BitfileSetAttrs.c, bfs_Clear.c,bfs_COS.c bfs_Purge.c, bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: Call to mm_UpdateBitfile() failed to update the bitfile descriptor.

System Action: Abort the transaction.

Administrator Action: Check Encina and SFS for any problems and correct.

BFSR0037 Failed to reload segments cache

Source Files Generating Error Message: bfs_BitfileSetAttrs.c, bfs_Clear.c, bfs_CopyData.c, bfs_CopyFile.c, bfs_Open.c, bfs_Purge.c, bfs_ReadData.c, bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: Error return from bfs_ReloadBfSegmentsCache(), which calls bfs_LoadBfSegmentsCache(). Possible root causes are malloc(), OFD problems, mm_ReadBitfileSegsByBitfile(),

System Action: Log a message and abort the Bitfile Server.

Administrator Action: Check Encina SFS metadata system. Restart the Bitfile Server.

BFSR0038 Add segment to metadata error

Source Files Generating Error Message: bfs_Clear.c, bfs_Purge.c, bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: Call to metadata routine failed in creating a new tape or disk bitfile segment.

System Action: Return negative error code, HPSS_EMDATA.

Administrator Action: Check Encina and SFS metadata system. If all okay, contact HPSS Software Support.

BFSR0039 Delete segment from metadata error

Source Files Generating Error Message: bfs_Clear.c, bfs_Purge.c, bfs_SetDataLen.c, bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: Call to metadata routine failed in deleting a tape or disk bitfile segment.

System Action: Return negative error code, HPSS_EMDATA.

Administrator Action: Check Encina and SFS metadata system. If all okay, contact HPSS Software Support.

BFSR0040 Build overlapped segment error

Source Files Generating Error Message: bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: Failure in write processing when trying to build a new segment that overlapped an old segment.

System Action: Return negative error code.

Administrator Action: Check Encina and SFS metadata system If all okay, contact HPSS Software Support.

BFSR0041 Update segment metadata error

Source Files Generating Error Message: bfs_Clear.c, bfs_CopyData.c, bfs_Close.c, bfs_ReadData.c, bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: Call to metadata routine failed in updating a tape or disk bitfile segment.

System Action: Return negative error code, HPSS_EMDATA.

Administrator Action: Check Encina and SFS metadata system. If all okay, contact HPSS Software Support.

BFSR0042 No new segments to build

Source Files Generating Error Message: bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: Return if no new segments, nothing to do, should not have been called. This is a DEBUG level error message.

System Action: Puts out warning, continues processing.

Administrator Action: Does not affect the current processing other than generating the warning. Notify HPSS Software Support that you have received this message.

BFSR0043 Attempt to convert bad bitfile handle

Source Files Generating Error Message: bfs_Misc.c

Problem Description: Call to bfs_ConvertBfHandle() failed to get the open context from the bitfile handle, or bitfile handle index was out of range.

System Action: Return negative error code, BFS_EBADBFHANDLE.

Administrator Action: Probable user error.

BFSR0044 Create bitfile metadata failed

Source Files Generating Error Message: bfs_Create.c

Problem Description: Call to mm_CreateBitfile() failed to write metadata for new bitfile to SFS.

System Action: Return negative error code, HPSS_EMDATA.

Administrator Action: Check Encina and SFS metadata system.

BFSR0045 Update bitfile metadata failed

Source Files Generating Error Message: ,bfs_Acct.c, bfs_BitfileSetAttrs.c,bfs_Close.c, bfs_CopyData.c, bfs_CopyFile.c,bfs_COS.c,bfs_Open.c, bfs_ReadData.c, bfs_Unlink.c

Problem Description: Call to mm_UpdateBitfile() failed to update the bitfile descriptor to SFS.

System Action: Return negative error code, HPSS_EMDATA, and abort transaction.

Administrator Action: Check Encina and SFS metadata system. If all okay, contact HPSS Software Support.

BFSR0046 SOID create failed

Source Files Generating Error Message: bfs_Create.c

Problem Description: Call to SOID_Create() failed to create a SOID to identify the bitfile.

System Action: Return negative error code, HPSS_ESYSTEM.

Administrator Action: Check DCE.

BFSR0047 Create build descriptor failed

Source Files Generating Error Message: bfs_Create.c

Problem Description: Call to bfs_CreateBldDesc() failed to build the bitfile descriptor. Possible causes of the error are failures in the system call, gettimeofday(), hpss_LocateCOS(), attempt to use Accounting or Security in Release 1, or mm_CreateBitfile().

System Action: Return negative error code, and abort the transaction.

Administrator Action: Check Encina and SFS metadata system.

BFSR0048 Delete SS segments failed

Source Files Generating Error Message: bfs_CheckpointSeg.c, bfs_Misc.c, bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: Call to ss_SSUnlink() failed to delete SS segments.

System Action: Abort the Bitfile Server if the return value from ss_SSUnlink() is HPSS_ENOENT.. Otherwise, just log an error message and continue.

Administrator Action: Check Storage Server; also possible metadata inconsistency on HPSS_ENOENT. BFS checkpoints deleted segments and retries until successful.

BFSR0049 Error in destroying mutex condition

Source Files Generating Error Message: bfs_BfCache.c,bfs_BfOpenContext.c,bfs_CopyData.c,bfs_LockRtns.c,bfs_ReadData.c

Problem Description: Call to pthread_mutex_destroy() failed to destroy the mutex.

System Action: Just log an error message and continue. In bfs_ReleaseExLockBf(), aborts the Bitfile Server.

Administrator Action: Possible HPSS software problem. Contact HPSS support

BFSR0050 Error destroying mutex condition var

Source Files Generating Error Message: bfs_BfCache.c.bfs_CopyData.c,bfs_LockRtns.c

Problem Description: Call to pthread_cond_destroy() failed to destroy the condition variable.

System Action: Just log an error message and continue.

Administrator Action: Possible HPSS software problem. Contact HPss support

BFSR0051 Metadata is out of synch with BFS

Source Files Generating Error Message: bfs_WriteTape.c

Problem Description: Call to ss_SSSetAttrs() failed to extend the storage segment. If we get HPSS_ENOENT, something is seriously wrong; we have metadata out of synch.

System Action: Abort the Bitfile Server.

Administrator Action: Check Encina metadata system.If the return code is HPSS_ENOENT, then contact HPSS Software Support.

BFSR0052 Mutex condition wait error

Source Files Generating Error Message: bfs_Asynch.c.bfs_CopyData.c,bfs_LockRtns.c,bfs_Misc.c

Problem Description: Call to pthread_cond_wait() failed to wait on condition variable.

System Action: Abort the Bitfile Server.

Administrator Action: Possible HPSS software error. Contact HPSS support.

BFSR0053 SS_Create failed

Source Files Generating Error Message: bfs_WriteTape.c, bfs_WriteDisk.c

Problem Description: Call to ss_SSCreate() failed to get a new storage segment. The Storage Server may have crashed or no space is available.

System Action: Abort the transaction and return HPSS_ENOSPACE.

Administrator Action: If HPSS_ENOSPACE, investigate adding more space to needed storage class. If Storage Server down, need to restart the Storage Server.

BFSR0054 Error in freeing OFD

Source Files Generating Error Message: bfs_BitfileGetAttrs.c, bfs_COS.c, bfs_CheckpointSeg.c, bfs_Clear.c, bfs_Close.c, bfs_CopyData.c, bfs_CopyFile.c, bfs_Create.c, bfs_DiskMap.c, bfs_Init.c, bfs_Misc.c, bfs_Open.c, bfs_Purge.c, bfs_ReadData.c, bfs_SClass.c, bfs_SegmentsCache.c, bfs_Unlink.c, bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: Call to hpss_FreeOfd() failed to free the OFD. Error could be caused by mutex locking/unlocking problems or potentially SFS problems.

System Action: Log error and continue operation.

Administrator Action: Check SFS.

BFSR0055 Read bitfile segments by bitfile error

Source Files Generating Error Message: bfs_BfSegmentsCache.c

Problem Description: Call to mm_ReadBitfileSegsByBitfile() failed to read a buffer of bitfile segments from metadata.

System Action: Return negative error code, HPSS_EMDATA.

Administrator Action: Check SFS.

BFSR0056 Get bitfile cache failed

Source Files Generating Error Message: bfs_Open.c

Problem Description: Call to bfs_OpenGetBfCache() failed to get a new or existing bitfile cache for the specified bitfile.

System Action: Return negative error code.

Administrator Action: Examine error code to determine the specific problem. Possible problems include memory shortage and SFS not being operational.

BFSR0057 Build bitfile open context failed

Source Files Generating Error Message: bfs_Open.c

Problem Description: Call to bfs_OpenBldBfOpenContext() failed to build the bitfile open context.

System Action: Return negative error code.

Administrator Action: Examine error code to determine the specific error that occurred. Possible problems include memory shortage.

BFSR0058 Process open flag options failed

Source Files Generating Error Message: bfs_Open.c

Problem Description: Call to bfs_OpenProcessOptions() failed to verify and process the open flag options.

System Action: Return negative error code.

Administrator Action: Check specific error code to determine problem. Possible causes are user error and SFS problems.

BFSR0059 Allocate BF open context failed

Source Files Generating Error Message: bfs_Open.c

Problem Description: Call to bfs_AllocBfOpenContext() failed to return an available open context block and its index. It is possible that no more open context blocks are available in the array.

System Action: Return negative error code.

Administrator Action: Wait until an open context block becomes free. If this is a persistent error, it indicates that the number of open files allowed by the Bitfile Server is too small. It may be appropriate to change the BFS configuration to allow for more open files.

BFSR0060 Find bitfile cache entry failed

Source Files Generating Error Message: bfs_BitfileGetAttrs.c, bfs_BitfileSetAttrs.c, bfs_Open.c, bfs_Unlink.c

Problem Description: Call to bfs_FindBfCache() resulted in an error in processing. Probable DCE errors.

System Action: Return negative error code.

Administrator Action: Check error code to determine specifics of the problem. Could be DCE related.

BFSR0061 Initialize bitfile cache failed

Source Files Generating Error Message: bfs_Open.c

Problem Description: Call to bfs_OpenInitBfCache() failed to initialize the bitfile metadata cache.

System Action: Logs an error message and returns negative error code.

Administrator Action: Check error code to determin specifics of the problem. Possible causes include user error(ENOENT), memory shortage and SFS problems.

BFSR0062 error in uuid hash call, status =

Source Files Generating Error Message: bfs_BfCache.c, bfs_LockRtns.c

Problem Description: Call to uuid_hash() failed to Hash on the ObjectId from the SOID.

System Action: Aborts the Bitfile Server.

Administrator Action: Check DCE and restart the Bitfile Server.

BFSR0063 Cannot do both an append and truncate

Source Files Generating Error Message: bfs_Open.c

Problem Description: Open flags set to do both an append and truncate; cannot do both.

System Action: Return a negative error code, HPSS_ECONFLICT.

Administrator Action: Client cannot open a file with options both to append and truncate. User error.

BFSR0064 Must open file for write if truncating

Source Files Generating Error Message: bfs_Open.c
Problem Description: Attempt to open a file for truncating without WRITE permission.
System Action: Return a negative error code, HPSS_ECONFLICT.
Administrator Action: Client cannot open a file for truncating without WRITE permission. User error.

BFSR0066 Truncation on Open Failed

*Source Files Generating Error Message:*bfs_COS.c, bfs_CopyFile.c, bfs_Open.c
Problem Description: Call to bfs_SetDataLenOpen() returned error code of HPSS_EINVAL.
System Action: Abort the transaction; truncation failed.
Administrator Action: Examine the error code for indication of specific problem.

BFSR0067 Wrong descriptor type or wrong file

Source Files Generating Error Message: bfs_Misc.c.
Problem Description: IOD specifics a descriptor type that is not file.
System Action: Error returned and request rejected.
Administrator Action: HPSS sofware error. Contact HPSS support.

BFSR0068 Elements of stripe are inconsistent

Source Files Generating Error Message: bfs_Misc.c
Problem Description: Test to verify that all elements of the stripe are consistent failed.
System Action: Return a negative error code, HPSS_EINVAL.
Administrator Action: Probable HPSS software error. Contact HPSS support.

BFSR0069 Striping is not yet implemented

Source Files Generating Error Message: bfs_Misc.c
Problem Description: Striping multiple bitfiles is not implemented in current release.
System Action: Return a negative error code, HPSS_EINVAL.
Administrator Action: Don't use bitfile striping in current release.

BFSR0070 RPC SS allocate failed

Source Files Generating Error Message: bfs_Acct.c, bfs_BitfileSetAttrs.c,bfs_BuildDes.c, bfs_Clear.c, bfs_CopyData.c, bfs_Migrate.c, bfs_Misc.c, bfs_ReadData.c, bfs_WriteDisk.c, bfs_WriteTape.c
Problem Description: Call to rpc_ss_allocate() memory for various processing failed.
System Action: Return a negative error code, HPSS_ENOMEM.
Administrator Action: Check system memory problem. Restart the Bitfile Server if it crashed.

BFSR0071 Only FILE_ADDRESS allowed, this layer

Source Files Generating Error Message: bfs_Misc.c

Problem Description: In checking the sink side of the IOD and building the sink side of the IOR, BFS encountered a bad value for source sink address type.

System Action: Return a negative error code, HPSS_EINVAL.

Administrator Action: Only FILE_ADDRESS allowed for IODs received by BFS.

BFSR0072 Different files addressed, processed

Source Files Generating Error Message: bfs_Misc.c

Problem Description: Attempt failed to verify that the file being addressed is the file being processed by this request.

System Action: Return a negative error code, HPSS_EINVAL.

Administrator Action: Probable HPSS error. Contact HPSS software support,

BFSR0073 Stripe address type is wrong type

Source Files Generating Error Message: bfs_Misc.c

Problem Description: Attempt failed to check that the stripe address is of a type supported by HPSS

System Action: Return a negative error code, HPSS_EINVAL.

Administrator Action: Probable HPSS error. Contact HPSS software support.

BFSR0074 Only Net, IPI, PFS addresses allowed

Source Files Generating Error Message: bfs_Misc.c.c

Problem Description: Problem in checking that the IOD source-sink descriptors represent valid network types.

System Action: Return a negative error code, HPSS_EINVAL.

Administrator Action: Only NET_ADDRESS, IPI_ADDRESS, VESTA_ADDRESS or MEMORY_ADRESS allows in the BFS. Probable HPSS error. Contact HPSS software support.

BFSR0076 No cache block for bitfile

Source Files Generating Error Message: bfs_BfCache.c

Problem Description: Problem searching the cache to find the block representing a bitfile. If not found, there must be severe programming error in the BFS.

System Action: Abort the Bitfile Server.

Administrator Action: Report this BFS error to HPSS software support

BFSR0077 Error in signaling condition

Source Files Generating Error Message: bfs_Asynch.c,bfs_BitfileSetAttrs.c,bfs_Clear.c, bfs_CopyData.c, bfs_LockRtns.c, bfs_Misc.c, bfs_Purge.c, bfs_Stage.c, bfs_Unlink.c, bfs_WriteTape.c

Problem Description: Call to pthread_cond_signal() failed. This indicates an invalid value for the condition variable signaled. Attempt to wake up one of the waiting threads failed.

System Action: Abort the Bitfile Server.

Administrator Action: Probable HPSS problem. Contact HPSS software support.

BFSR0078 Bad unlock, invalid thread, state

Source Files Generating Error Message: bfs_LockRtns.c

Problem Description: Incorrect locked state or threads don't match in attempt to wake up one of the waiting threads.

System Action: Abort the Bitfile Server.

Administrator Action: Probable HPSS error. Contact HPSS software support.

BFSR0079 Bitfile open context block not found

Source Files Generating Error Message: bfs_BfOpenContext.c

Problem Description: Problem removing an open context block from the list. Failure to find the block indicates a severe Bitfile Server error.

System Action: Abort the Bitfile Server.

Administrator Action: Contact HPSS Software Support. Restart the Bitfile Server.

BFSR0081 memcmp failed to locate open rev-map

Source Files Generating Error Message: bfs_BitfileSetAttrs.c

Problem Description: Error locating the slot in the reverse map that should be open.

System Action: Abort the Bitfile Server.

Administrator Action: Restart the Bitfile Server. Probable software error in the Bitfile Server. Contact HPSS software support.

BFSR0082 RevMapCount exceeded BFS_NUM_REV_MAPS

Source Files Generating Error Message: bfs_BitfileSetAttrs.c.c

Problem Description: Reverse map count has exceeded the allowed number of reverse maps, BFS_NUM_REV_MAPS, in the Bitfile Server.

System Action: Return a negative error code and log a message.

Administrator Action: Probable HPSS error. Contact HPSS software support.

BFSR0083 SS and BFS metadata are inconsistent

Source Files Generating Error Message: bfs_WriteDisk.c bfs_WriteTape.c

Problem Description: There is a metadata inconsistency between the Storage Server and the Bitfile Server.

System Action: Abort the Bitfile Server.

Administrator Action: Probable HPSS error. Contact HPSS software support.

BFSR0084 Bitfile Server IOR source, bad pointer

Source Files Generating Error Message: bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: In processing the source side of the SS reply, a NULL pointer was encountered for the BFS IOR source.

System Action: Abort the Bitfile Server.

Administrator Action: Probable software error in the Bitfile Server. Report the error to HPSS Software Support.

BFSR0085 Storage Server IOR sink, bad pointer

Source Files Generating Error Message: bfs_WriteDisk.c bfs_WriteTape.c

Problem Description: In processing the sink side of the SS reply, a NULL pointer was encountered for the SS IOD sink.

System Action: Abort the Bitfile Server.

Administrator Action: Probable software error in the Storage Server. Report the error to HPSS software support.

BFSR0086 Bitfile Server IOR sink, bad pointer

Source Files Generating Error Message: bfs_WriteDisk.c, bfs_WriteTape.c

Problem Description: In processing the sink side of the SS reply, a NULL pointer was encountered for the BFS IOR sink.

System Action: Abort the Bitfile Server.

Administrator Action: Probable software error in the Bitfile Server. Report the error to HPSS Software Support.

BFSR0087 Find Append Segment for write failed

Source Files Generating Error Message: bfs_WriteTape.c

Problem Description: Call to bfs_WriteTapeFindAppendSeg() failed to find a segment to allocate space from.

System Action: Return a negative error code.

Administrator Action: Analyze the error code to determine the specific problem.

BFSR0088 Get New Current Segment for write bad

Source Files Generating Error Message: bfs_WriteTape.c

Problem Description: Call to bfs_WriteTapeGetNewCurtSeg() to get a new current segment failed.

System Action: Return a negative error code.

Administrator Action: The Storage Server may be out of space for this class of service. Check Storage Server space for appropriate storage class.

BFSR0089 No IOD was built for Storage Server

Source Files Generating Error Message: bfs_WriteTape.c

Problem Description: Call to bfs_WriteBldSSIOD() failed. No IOD was built for the Storage Server. (*Note*: This is a DEBUG level log message.)

System Action: Return a negative error code.

Administrator Action: None. Probable user error

BFSR0090 Delete bitfile descriptor failed

Source Files Generating Error Message: bfs_CheckpointSeg.c, bfs_Close.c, bfs_Unlink.c

Problem Description: Call to mm_DeleteBitfile() failed. Failed to delete the bitfile descriptor.

System Action: Abort the transaction.

Administrator Action: Check for SFS problems.

BFSR0091 Bitfile delete failed on close

Source Files Generating Error Message: bfs_Close.c

Problem Description: Log an error message indicating that delete of a bitfile on a close operation failed. The rest of the close will be processed anyway. We have a dangling reference to a bitfile (i.e., a bitfile with a zero link count. BFS handles this problem by checkpointing and will clean up the dangling reference the next time BFS is stopped and restarted

System Action: Abort the transaction.

Administrator Action: None

BFSR0092 Unlink callback setup failed

Source Files Generating Error Message: bfs_Unlink.c

Problem Description: Call to tran_CallAfterResolution() failed to set up the required callback to perform cleanup at the end of the transaction.

System Action: Abort the transaction.

Administrator Action: Check Encina.

BFSR0093 tran_GetGlobalState failed

Source Files Generating Error Message: bfs_Unlink.c

Problem Description: Call to tran_GetLocallState() failed to determine the distributed outcome of transaction.

System Action: Abort the Bitfile Server.

Administrator Action: Check Encina.

BFSR0094 Truncate data length failed

Source Files Generating Error Message: bfs_CheckpointSeg.c, bfs_Unlink.c

Problem Description: Call to bfs_SetDataLenNopen() failed to delete the space for the bitfile.

System Action: Abort the transaction.

Administrator Action: Check Encina. Contact HPSS software support.

BFSR0095 Open context allocate failed, max open

Source Files Generating Error Message: bfs_BfOpenContext.c

Problem Description: The BFS open context list has no more entries available for use.

System Action: Log error message and continue.

Administrator Action: Wait for some of the active bitfiles to be closed. Indicates that the concurrent open bitfiles allowed by the Bitfile Server is probably insufficient.

BFSR0096 End session to storage server failed

Source Files Generating Error Message: bfs_CheckpointSeg.c, bfs_Close.c, bfs_CopyData.c, bfs_Misc.c,bfs_Stage.c

Problem Description: Attempt to end a session with the Storage Server failed. Could be caused by Storage Server being down or extreme network problems.

System Action: Log error message and continue

Administrator Action: The Storage Server may be down. If so, this error is expected and produces no problems. If the Storage Server is not down, then resources may be held for longer periods of time in the Storage Server than desired

BFSR0098 Begin session to storage server failed

Source Files Generating Error Message: bfs_CheckpointSeg.c, bfs_Misc.c
Problem Description: Call to ss_BeginSession() failed.
System Action: Abort the transaction.
Administrator Action: Check Storage Server.

BFSR0099 Attempt to unlock without holding lock

Source Files Generating Error Message: bfs_LockRtns.c
Problem Description: There is a logic error somewhere in the BFS lock / unlock logic.
System Action: Abort the Bitfile Server.
Administrator Action: Report BFS error to HPSS Software Support.

BFSR0100 OFD initialization failed

Source Files Generating Error Message: bfs_Init.c
Problem Description: Call to hpss_InitOfdList() to initialize the OFD list failed. The only possible error must come from pthread_mutex_init().
System Action: Abort the Bitfile Server.
Administrator Action: Probable HPSS error. Contact HPss software support.

BFSR0101 Bitfile server startup complete

Source Files Generating Error Message: bfs_Main.c
Problem Description: Event informatory message.
System Action: Just log the message.
Administrator Action: None.

BFSR0102 Failure in hpss_InitServer,<string with specific error>

Source Files Generating Error Message: bfs_Init.c
Problem Description: Call to hpss_InitServer() failed to do basic server initialization, including setting up common logging, initialize metadata manager, set up login identity, and set up HPSS globals.
System Action: Abort the Bitfile Server.
Administrator Action: Check the server configuration entry for the Bitfile Server and the startup parameters. Also make sure HPSS keytab files are set up correctly.

BFSR0103 Error in hpss_PreInitConnections

Source Files Generating Error Message: bfs_Init.c
Problem Description: Call to hpss_PreInitConnections() failed.
System Action: Abort the Bitfile Server.
Administrator Action: Probable HPSS error. Contact HPSS software support.

BFSR0104 Error in hpss_PreRegisterService

Source Files Generating Error Message: bfs_Init.c

Problem Description: Call to hpss_PreRegisterService() failed.

System Action: Abort the Bitfile Server.

Administrator Action: Probable HPSS errror. Contact HPSS support.

BFSR0106 Call to hsec_Init failed

Source Files Generating Error Message: bfs_Init.c

Problem Description: Call to hsec_Init() failed.

System Action: Abort the Bitfile Server.

Administrator Action: Check DCE security.

BFSR0107 Close error in serv_CloseConn

Source Files Generating Error Message: bfs_Misc.c

Problem Description: Call to bfs_Close() failed out of serv_CloseConnection processing. This processing takes place when a user disconnects from the Bitfile Server with files open.

System Action: Log error but continue.

Administrator Action: Investigate possible software failure in the Bitfile Server. Report to HPSS Software Support.

BFSR0109 Error creating authorization vector

Source Files Generating Error Message: bfs_Init.c

Problem Description: Call to hsec_InitAuthzVector() failed. Most likely problem here is that no security entry for authorized callers has been generated for BFS.

System Action: Abort the Bitfile Server.

Administrator Action: Check DCE security and also security entry for BFS.

BFSR0111 Error reading NS config data

Source Files Generating Error Message: bfs_Init.c

Problem Description: Call to mm_ReadServerConfig() failed reading the Name Server server configuration record.

System Action: Abort the Bitfile Server.

Administrator Action: Check SFS.

BFSR0112 Error reading MPS config data

Source Files Generating Error Message: bfs_Init.c

Problem Description: Call to mm_ReadServerConfig() failed reading the Migration Purge Server server configuration record.

System Action: Abort the Bitfile Server.

Administrator Action: Check SFS.

BFSR0114 Error reading SSM config data

Source Files Generating Error Message: bfs_Init.c

Problem Description: Call to mm_ReadServerConfig() failed reading the Storage System Manager configuration record.

System Action: Abort the Bitfile Server.

Administrator Action: Check SFS.

BFSR0115 Unable to tell if caller is authorized

Source Files Generating Error Message: bfs_Misc.c

Problem Description: Call to hsec_CallerAuthorized() returned bad status.

System Action: Abort the Bitfile Server.

Administrator Action: Check DCE security.

BFSR0116 Can't get server ID

Source Files Generating Error Message: bfs_Misc.c

Problem Description: Call to hpss_GetServerID() failed.

System Action: Abort the Bitfile Server.

Administrator Action: Check DCE security.

BFSR0117 Error unsealing authz ticket

Source Files Generating Error Message: bfs_BitfileGetAttrs.c, bfs_BitfileSetAttrs.c, bfs_Create.c, bfs_Open.c, bfs_Unlink.c

Problem Description: Call to hpss_Unseal() failed.

System Action: Function returns HPSS_ESYSTEM.

Administrator Action: Check security.

BFSR0118 Error converting ticket from string

Source Files Generating Error Message: bfs_BitfileGetAttrs.c, bfs_BitfileSetAttrs.c, bfs_Create.c, bfs_Open.c, bfs_Unlink.c

Problem Description: Call to hsec_AuthzFromString() failed.

System Action: Function returns HPSS_ESYSTEM.

Administrator Action: Check security.

BFSR0119 Name server not connected

Source Files Generating Error Message: bfs_BitfileGetAttrs.c, bfs_BitfileSetAttrs.c, bfs_Create.c, bfs_Open.c, bfs_Stage.c,bfs_Unlink.c

Problem Description: BFS_config_table.NSConnectHandle == NULL, which implies that the Name Server is not connected.

System Action: Function returns HPSS_ESYSTEM.

Administrator Action: Restart Name Server.

BFSR0121 SSM bfs_ServerSet reinit not allowed

Source Files Generating Error Message: bfs_Misc.c
Problem Description: SSM is asking server to reinitialize. Not supported by BFS.
System Action: This is a minor error; the function returns HPSS_EINVAL.
Administrator Action: Shutdown BFS and restart if needed.

BFSR0122 Invalid default class of service

Source Files Generating Error Message: bfs_Init.c
Problem Description: Call to bfs_LocateCOS() failed. Default COS is not a valid COS.
System Action: Abort the Bitfile Server.
Administrator Action: Check BFS COS configuration.

BFSR0126 Error in processing segment checkpoint

Source Files Generating Error Message: bfs_COS.c, bfs_CheckpointSeg.c, bfs_Close.c, bfs_Unlink.c, bfs_WriteTape.c
Problem Description: Error occurred processing segment checkpoint record.
System Action: Aborts the transaction and logs message.
Administrator Action: Examine the error for specifics. Possible causes include SFS problems.

BFSR0127 Storage server get attributes failed

Source Files Generating Error Message: bfs_BitfileGetAttrs.c,bfs_CheckpointSeg.c, bfs_CopyData.c, bfs_WriteDisk.c,bfs_WriteTape.c
Problem Description: A Storage Server ss_SSGetAttributes call failed.
System Action: Log message and continue processing. Associated request fails with an error.
Administrator Action: Examine the message to determine why get attributes failed. If the Storage Server is down, restart the Storage Server.

BFSR0129 Error in caching in disk maps

Source Files Generating Error Message: bfs_DiskMap.c
Problem Description: Failure in attempting to cache bitfile disk maps into memory. Generally occurs when a file is opened
System Action: Log message and fail associated request with an error.
Administrator Action: Potential Encina/SFS problem. Check SFS.

BFSR0130 Failure in creating a disk map

Source Files Generating Error Message: bfs_DiskMap.c
Problem Description: Metadata call to create a new disk map record failed.
System Action: Log message and fail associated request with an error.
Administrator Action: Potential Encina/SFS problem. Check SFS.

BFSR0131 Failure in updating a disk map

Source Files Generating Error Message: bfs_DiskMap.c

Problem Description: Metadata call to update a disk map record failed.

System Action: Log message and fail associated request with an error.

Administrator Action: Potential Encina/SFS problem. Check SFS.

BFSR0132 General diskmap failure

Source Files Generating Error Message: bfs_Clear.c, bfs_Close.c, bfs_CopyData.c, bfs_Purge.c, bfs_WriteDisk.c

Problem Description: Logged whenever any error occurs in processing diskmaps.

System Action: Log message and fail associated request with an error.

Administrator Action: Check for an additional log message that provides the specifics of the error.

BFSR0133 Failure in deleting a disk map

Source Files Generating Error Message: bfs_DiskMap.c

Problem Description: Metadata call to delete a disk map record failed.

System Action: Log message and fail associated request with an error.

Administrator Action: Potential Encina/SFS problem. Check SFS.

BFSR0134 Internal software error, <additional description for specific situation>

Source Files Generating Error Message: bfs_Acct.c,bfs_Asynch.c,bfs_BfOpenContext.c,bfs_BitfileSetAttrs.c,bfs_COS.c, bfs_CheckpointSeg.c, bfs_Close.c, bfs_CopyData.c, bfs_Create.c,bfs_DiskMap.c,bfs_LockRtns.c, bfs_Misc.c, bfs_Open.c,bfs_Purge.c, bfs_ReadData.bfs_SetDataLen.c,bfs_SClass.c, bfs_WriteDisk.c,bfs_WriteTape.c

Problem Description: An error that describes an unexpected situation in HPSS that potentially indicates a software problem somewhere in the HPSS system. Additional text is provided that describes the specific situation.

System Action: Log message and aborts the Bitfile Server in most cases.

Administrator Action: Potential HPSS software problem. Contact HPSS Software Support.

BFSR0135 No storage server available for request.

Source Files Generating Error Message: bfs_BitfileGetAttrs.c,bfs_BitfileSetAttrs.c,bfs_CopyData.c,bfs_Misc.c,bfs_ReadData.c, bfs_WriteDisk.c,bfs_WriteTape.c

Problem Description: A request failed because a Storage Server that was needed to process this request was not available. For example, when trying to read a file, this error will occur if the Storage Server that holds the data for that file is down.

System Action: Log message and fail associated request with an error.

Administrator Action: Check for a Storage Server that is not operational. This message can also appear when a storage server is out space. If error is ENOSPACE, check for out of space condition.

BFSR0136 Error searching hierarchy table

Source Files Generating Error Message: bfs_BitfileSetAttrs.c, bfs_Open.c, bfs_SetDataLen.c

Problem Description: Failure in locating an entry in the hierarchy table. This should only happen if a COS has been generated without a valid hierarchy associated with it.

System Action: Log message and fail associated request with an error.

Administrator Action: Check your COS and Hierarchy configuration data

BFSR0137 Error searching sclass table

Source Files Generating Error Message: bfs_BitfileSetAttrs.c, bfs_Open.c, bfs_SetDataLen.c

Problem Description: Failure in locating an entry in the storage class table. This should only happened if a Hierarchy has been configured that points at a non-existent storage class.

System Action: Log message and fail associated request with an error.

Administrator Action: Check your Hierarchy and Storage Class configuration data.

BFSR0138 Invalid info in sclass table

Source Files Generating Error Message: bfs_BitfileSetAttrs.c, bfs_BuildDesc.c, bfs_Clear.c, bfs_Close.c, bfs_CopyData.c, bfs_Migrate.c, bfs_Purge.c, bfs_ReadData.c, bfs_SegmentsCache.c, bfs_SetDataLen.c, bfs_Write.c

Problem Description: Storage class in storage class table has invalid info. In most cases, this error is generated when the storage class type is not disk or tape. You should not see this error as long as you used standard HPSS procedures (SSM or load config routines) to build your storage classes.

System Action: Log message and fail associated request with an error.

Administrator Action: Check and correct your storage class definition.

BFSR0139 Caching of hierarchy table failed

Source Files Generating Error Message: bfs_Hier.c

Problem Description: Failure in attempting to cache hierarchy information into BFS internal hierarchy table.

System Action: Log message and abort the Bitfile Server.

Administrator Action: Probable ENCINA/SFS problem. Correct and restart the Bitfile Server

BFSR0140 Caching of sclass tables failed

Source Files Generating Error Message: bfs_SClass.c

Problem Description: Failure in attempting to cache storage class information into BFS internal storage class table.

System Action: Log message and abort the Bitfile Server.

Administrator Action: Probable Encina/SFS problem. Correct and restart the Bitfile Server.

BFSR0141 Error in updating IO statistics

Source Files Generating Error Message: bfs_Close.c, bfs_ReadData.c

Problem Description: Updating of IO statistics for a file (read time, write time, etc.) failed.

System Action: Log message and fail associated request with an error unless bfs_Close generated the error. Read statistics associated with normal (user generated reads) are cached for performance and updated when the file is closed. If this error occurs on close, the read statistics will not be current. The only ramification of this is that data for a file may be purged from a given storage level sooner than desired.

Administrator Action: Probable Encina/SFS problem. Check SFS.

BFSR0144 Entering <API name>

Source Files Generating Error Message: bfs_BitfileGetAttrs.c, bfs_BitfileSetAttrs.c, bfs_COS.c, bfs_Clear.c, bfs_Close.c, bfs_Create.c, bfs_Migrate.c, bfs_Misc.c, bfs_Open.c, bfs_Purge.c, bfs_Read.c, bfs_Stage.c, bfs_Unlink.c, bfs_Write.c

Problem Description: Normal action if request logging is turned on.

System Action: Log the message.

Administrator Action: None

BFSR0145 Exiting <API name>

Source Files Generating Error Message: bfs_BitfileGetAttrs.c, bfs_BitfileSetAttrs.c, bfs_COS.c, bfs_Clear.c, bfs_Close.c, bfs_Create.c, bfs_Migrate.c, bfs_Misc.c, bfs_Open.c, bfs_Purge.c, bfs_Read.c, bfs_Stage.c, bfs_Unlink.c, bfs_Write.c

Problem Description: Normal action if request logging is turned on.

System Action: Log the message.

Administrator Action: None

BFSR0146 Stage failed

Source Files Generating Error Message: bfs_Stage.c

Problem Description: A BFS Stage request failed. Likely IO problems or metadata problems.

System Action: Log the message and fail the request

Administrator Action: Evaluate the problem based on the error code provided with the message and perform corrective action.

BFSR0147 Invalid storage level specified

Source Files Generating Error Message: bfs_Migrate.c

Problem Description: An invalid storage level was specified on a migrate request. Likely problem is specifying a level that does not exist in the hierarchy. Could be generated if you have specified migration policy for the lowest level in the hierarchy.

System Action: Reject the request

Administrator Action: Examine hierarchies and migration policies for potential errors.

BFSR0148 Request storage segment on copy/move not found

Source Files Generating Error Message: bfs_Migrate.c

Problem Description: A request to migrate data associated with one or more storage segments has been received and one or more of the storage segments no longer exists. This can happened if a file is deleted in the middle of migration processing.

System Action: Log the message. Just a warning

Administrator Action: Normally not a problem. If message appears frequently investigate the situation as a potential HPSS software problem.

BFSR0150 Copy request failed

Source Files Generating Error Message: bfs_Migrate.c

Problem Description: The copy operation called by migration processing failed. Likely problem is I/O errors or metadata problems.

System Action: Log the message and fail the request.

Administrator Action: Evaluate the problem based on the error code provided with the message and perform corrective action. This may include dealing with hardware problems or ENCINA/SFS problems.

BFSR0151 Request rejected, file reached maximum fragmentation allowed

Source Files Generating Error Message: bfs_Write.c

Problem Description: Write request is rejected because the number of bitfile segments to represent this bitfile has exceeded the maximum(2000 for release 4.1). This indicates a file that has been written in a highly fragmented manner (lots of holes) or the possibility that a file is being written directly to tape with an improper buffer size.

System Action: Log the message and fail the request

Administrator Action: If file is too fragmented, notify the owner of the file of the situation. HPSS is not meant to support file that are written randomly in a highly fragmented way. If problem is due to incorrect buffer size usage, examine the application and the COS where the file is being stored to be sure that appropriate buffer sizes are being used and that the storage classes have been configured properly in relation to the buffer sizes used in the interfaces provided to HPSS.

BFSR0152 Storage server not available for background unlink request

Source Files Generating Error Message: bfs_Misc.c

Problem Description: A Storage Server that controls the storage for a storage segment that is being unlinked by the BFS background unlink thread is not available.

System Action: Log the message and continue processing other storage segments. The failed storage segment will be retried on a periodic basis.

Administrator Action: Start the Storage Server.

BFSR0153 BFS tracing, <trace message>

Source Files Generating Error Message: bfs_Acct.c,bfs_Asynch.c,bfs_COS.cc, bfs-Misc.c, bfs_SClass.c

Problem Description: Normal behavior if logging of trace messages is turned on.

System Action: Log the message.

Administrator Action: None

BFSR0154 Bad request type for copy, <type>

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: An invalid request type was received by the bfs_CopyData routine. This should not happen and is a severe error.

System Action: Log the message and fail the request.

Administrator Action: This indicates a software error in BFS. Contact HPSS Software Support.

BFSR0155 Gap found in copy request

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: The information describing data to be copied in a request to bfs_CopyData spans a gap in the bitfile (area where no data exists). This should not happened and is a severe error.

System Action: Log the message and fail the request.

Administrator Action: This indicates a software error in BFS. Contact HPSS Software Support.

BFSR0156 Non-null source/sink list in mover reply

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: An IOR received from the Mover on a copy operation contains data in the srcsink reply lists. This should not happen. The reply should come back in the request specific area.

System Action: Log the message and fail the request.t

Administrator Action: This indicates a software error in HPSS. Contact HPSS Software Support.

BFSR0157 Null request specific reply in mover reply

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: An IOR received from the Mover has a null request specific area. This is incorrect. The request specific area should contain addressing information.

System Action: Log the message and fail the request.

Administrator Action: This indicates a software error in HPSS. Contact HPSS Software Support.

BFSR0158 Invalid request specific reply type, <type>

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: The reply type in the request specific area of a mover reply does not indicate that the data is a srcsink desc list for the active side.

System Action: Log the message and fail the request.

Administrator Action: This indicates a software error in HPSS. Contact HPSS Software Support

BFSR0159 Null address list in mover reply

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: An IOR received from the Mover in a copy operation does not contain any address information.

System Action: Log the message and fail the request.

Administrator Action: This indicates a software error in HPSS. Contact HPSS Software Support.

BFSR0160 Invalid stripe address list length

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: A stripe address in an IOR received from the Mover is not properly formed.

System Action: Log the message and fail the request

Administrator Action: This indicates a software error in HPSS. Contact HPSS Software Support.

BFSR0161 Invalid address type, <type>

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: Address type in a srcsink desc returned in a mover reply is of an invalid type.

System Action: Log the message and fail the request.

Administrator Action: This indicates a software error in HPSS. Contact HPSS Software Support.

BFSR0162 Wait on read sockets(select) failed

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: A select system call failed in attempting to set up to receive replies from the Mover on a copy request.

System Action: Log the message and fail the request.

Administrator Action: Potential network or system software problem. Check for problems in these areas.

BFSR0163 Accept of connection(accept)) failed

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: An accept system failed in trying to connect to a Mover for mover replies

System Action: Log the message and fail the request.

Administrator Action: Potential network or system software problem. Check for problems in these areas.

BFSR0164 Setting of socket option(setsockopt) failed

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: A setsockopt call (reuseaddr and TCP no delay options) failed.

System Action: Log the message and fail the request.

Administrator Action: Potential network or system software problem. Check for problems in these areas.

BFSR0165 Socket creation(socket) failed

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: An attempt to generate a socket for mover reply communication failed.

System Action: Log the message and fail the request.

Administrator Action: Potential network or system software problem. Check for problems in these areas.

BFSR0166 Socket address assignment(bind) failed

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: An attempt to bind an address to the socket being used for mover reply communication failed.

System Action: Log the message and fail the request.

Administrator Action: Potential network or system software problem. Check for problems in these areas.

BFSR0167 List for connections(listen) failed

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: A listen system call for communication with Mover failed.

System Action: Log the message and fail the request.

Administrator Action: Potential network or system software problem. Check for problems in these areas.

BFSR0168 Determination of socket address(getsockname) failed

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: A getsockname system call to get the addressing info assigned to the listen socket failed.

System Action: Log the message and fail the request.

Administrator Action: Potential network or system software problem. Check for problems in these areas.

BFSR0169 Could not find offset in mover replies, offset =<value>

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: In examining the IORs received on mover relies, one or more parts of the data to be transferred is not represented. This is a severe software error.

System Action: Log the message and fail the request.

Administrator Action: This indicates a software problem in HPSS. Contact HPSS Software Support.

BFSR0170 Active side of copy operation failed

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: An error occur on the active side of the copy operation. This is a general error message and the return code delineates the specific problem.

System Action: Log the error message and fail the copy request.

Administrator Action: Examine the error code associated with the message and any other related log messages to determine the specific problem.

BFSR0171 Passive side of copy operation failed

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: An error occur on the passive side of the copy operation. This is a general error message and the return code delineates the specific problem.

System Action: Log the error message and fail the copy request.

Administrator Action: Examine the error code associated with the message and any other related log messages to determine the specific problem.

BFSR0172 Invalid purge request, <additional info>

Source Files Generating Error Message: bfs_Purge.c

Problem Description: An invalid request received by bfs_Purge. Accompanying text gives details of the specific problem. Most likely, a purge policy has been associated with a storage class which is the lowest level in some hierarchy.

System Action: Log the error message and fail the request.

Administrator Action: Examine the accompanying text and correct the problem. This may require modifying incorrectly specified purge policies.

BFSR0173 Error building authorization ticket

Source Files Generating Error Message: bfs_Create.c

Problem Description: An error occurred in building an authorization ticket to be sent back to the Name Server to verify the bitfile id on a create request.

System Action: Log the error message and fail the request.

Administrator Action: Check for DCE security problems.

BFSR0174 Error sealing authorization ticket

Source Files Generating Error Message: bfs_Create.c

Problem Description: An error occurred trying to seal the authorization ticket via encryption. This ticket is for verifying the bitfile id to the Name Server.

System Action: Log the error message and fail the request.

Administrator Action: Check for DCE security problems.

BFSR0175 Error collecting storage server statistics, server =<server name>

Source Files Generating Error Message: bfs_SClass.c

Problem Description: An error occurred in trying to collect storage statistics from a Storage Server.

System Action: Log the error message. This is a part of a polling mechanism in the Bitfile Server and will be retried at a configurable interval.

Administrator Action: If the Storage Server is down, restart it.

BFSR0176 Open connection to SSM failed

Source Files Generating Error Message: bfs_ssm.c

Problem Description: Failure in connecting to SSM.

System Action: Log the error message. Next time BFS needs to communicate with SSM it will try to connect again.

Administrator Action: Start SSM if it is down. Otherwise check BFS configuration to make sure it has the right addressing info for SSM.

BFSR0177 io control parms max copy <value>, max_total io <value>,max_threads<value>

Source Files Generating Error Message: bfs_Init.c

Problem Description: Normal behavior. Just informatory.

System Action: Log the error message.

Administrator Action: None

BFSR0178 Operation not valid for COS, Oflags = <value>,ReadOps = <value>, WriteOps = <value>

Source Files Generating Error Message: bfs_Open.c

Problem Description: The open flags on a bfs_Open request ask for activity that is not allowed in this Class of Service. The parameters give the open flags, the valid read operations for the COS, and the valid write operations for the COS respectively.

System Action: Log the error message.

Administrator Action: None

BFSR0179 Max file size exceeds that allowed by COS

Source Files Generating Error Message: bfs_BitfileSetAttrs.c, bfs_Clear.c, bfs_SetDataLen.c, bfs_WriteDisk.c,bfs_WriteTape.c

Problem Description: An attempt has been made to perform an operation that would cause a file to exceed the maximum file size allowed in this Class of Service.

System Action: Log the error message.

Administrator Action: None

BFSR0182 Failure in writing security audit record

Source Files Generating Error Message: bfs_BitfileSetAttrs.c, bfs_Clear.c, bfs_CopyFile.c, bfs_Create.c, bfs_Migrate.c, bfs_Misc.c, bfs_Open.c, bfs_Purge.c, bfs_Read.c, bfs_Unlink.c, bfs_Write.c

Problem Description: Failure in writing an audit record to the security log.

System Action: Log the error message and continue operation.

Administrator Action: Check error code and related log records for specifics on the problem.

BFSR0183 Failure in processing storage seg unlink record

Source Files Generating Error Message: bfs_Misc.c

Problem Description: An error occurred processing a storage segment unlink record.

System Action: Log the error message and continue. An attempt will be made to retry the unlink record on the next pass of the background unlink thread.

Administrator Action: Check Encina/SFS for problems.

BFSR0184 system crashing to prevent orphaning a storage segment

Source Files Generating Error Message: bfs_WriteTape.c

Problem Description: Recovery processing of an unsuccessful write request failed due to metadata problems. BFS is terminated to prevent leaving a storage segment in the Storage Server with no bitfile pointers to it. This happens in only a very limited situation and you should rarely see this error. This failure is highly likely related to Encina/SFS problems.

System Action: Log the error message and abort the server.

BFSR0188 Open files on connection shutdown

Source Files Generating Error Message: bfs_Misc.c

Problem Description: A client disconnected from the Bitfile Server with files still open. Just an informatory message generated when trace is on. BFS will automatically close the files left open.

System Action: Log the error message.

Administrator Action: None

BFSR0189 Invalid segment list specified

Source Files Generating Error Message: bfs_Migrate.c, bfs_Purge.c

Problem Description: If the ALL options of Migrate or Purge is not specified and a storage segment list is not specified, this message is generated. This should not happen unless locally written software has caused the error.

System Action: Log the error message and reject the request.

Administrator Action: If not a problem due to a locally developed application, call HPSS Software Support.

BFSR0190 Failure in copying data

Source Files Generating Error Message: bfs_CopyFile.c

Problem Description: A call to bfs_CopyData to copy data as part of a file copy operation failed.

System Action: Log the error message and fail the request.

Administrator Action: Examine the error code and related log messages to determine the specific problem.

BFSR0191 Failure in creating a COS change record

Source Files Generating Error Message: bfs_BitfileSetAttrs.c

Problem Description: Failure in trying to add a COS change record to the COS change file when a user asks for the COS to be changed on a file. Likely ENCINA/SFS problem.

System Action: Log the error message and fail the request.

Administrator Action: Check ENCINA/SFS for problems.

BFSR0192 NS connect failed due to insufficient authorization

Source Files Generating Error Message: bfs_Misc.c

Problem Description: The Name Server's attempt to connect to the Bitfile Server failed due to insufficient privileges provided for the Name Server. The Security ACL for the Bitfile Server does not give the Name Server required privileges.

System Action: Log the error message and reject the connect request

Administrator Action: Change the Security ACL to give the Name Server at least write privileges and stop and restart the Bitfile Server.

BFSR0193 Read NS metadata configuration error

Source Files Generating Error Message: bfs_Init.c

Problem Description: Failure in reading Name Server specific configuration entry at BFS startup time. Likely SFS problem or metadata configuration error.

System Action: Log the error message and abort the Bitfile Server.

Administrator Action: Check ENCINA/SFS for problems. Make sure a server specific configuration entry exists for the Name Server.

BFSR0194 Metadata copy is not name server

Source Files Generating Error Message: bfs_Init.c

Problem Description: The general server config record for the Name Server by the Bitfile Server is not of type "Name Server". BFS server specific config record is incorrect.

System Action: Log the error message and abort BFS.

Administrator Action: Fix the BFS configuration to point at a valid Name Server and restart BFS.

BFSR0195 Failure in deleting COS change record

Source Files Generating Error Message: bfs_COS.c

Problem Description: An attempt to delete a COS change record after successfully performing the COS change processing failed. Probably ENCINA/SFS problem.

System Action: Log the error message.

Administrator Action: Check ENCINA/SFS for errors.

BFSR0196 BFS open failed

Source Files Generating Error Message: bfs_Asynch.c bfs_CheckpointSeg.c,bfs_COS.c

Problem Description: An open call internal to BFS failed. Call could be associated with checkpoint processing, COS changes, of background stage processing.

System Action: Log the error message.

Administrator Action: Check the error code and related log messages to determine the specific problem.

BFSR0197 BFS close call failed

Source Files Generating Error Message: bfs_Asynch.c, bfs_COS.c

Problem Description: A close call internal to BFS failed. Call could be associated with COS changes or background stage processing.

System Action: Log the error message.

Administrator Action: Check the error code and related log messages to determine the specific problem.

BFSR0198 Invalid HPSS COS specified

Source Files Generating Error Message: bfs_COS.c

Problem Description: When processing a COS change for a bitfile, the target COS does not exist. This can happen if a user changes the COS on a bitfile and the administrator deletes the COS before the COS change is processed by the Bitfile Server.

System Action: Log the error message and delete the COS change record.

Administrator Action: If the COS was deleted inappropriately, then redefine it and change the COS on the failed bitfile again through FTP quote commands or some other facility.

BFSR0199 BFS create call failed

Source Files Generating Error Message: bfs_COS.c

Problem Description: A bfs_Create call failed while processing a COS change for a bitfile.

System Action: Log the error message.

Administrator Action: Check the error code and related log messages to determine the specific problem.

BFSR0200 BFS copy file call failed

Source Files Generating Error Message: bfs_COS.c

Problem Description: A bfs_CopyFile call failed while processing a COS change for a bitfile.

System Action: Log the error message.

Administrator Action: Check the error code and related log messages to determine the specific problem.

BFSR0201 **CNS getname call failed**

Source Files Generating Error Message: bfs_COS.c

Problem Description: A CNS getname call failed while processing a COS change for a bitfile.

System Action: Log the error message.

Administrator Action: Check the error code and related log messages to determine the specific problem.

BFSR0202 **CNS setattrs call failed**

Source Files Generating Error Message: bfs_COS.c

Problem Description: A CNS setattrs call failed while processing a COS change for a bitfile.

System Action: Log the error message.

Administrator Action: Check the error code and related log messages to determine the specific problem.

BFSR0203 **BFS unlink call failed**

Source Files Generating Error Message: bfs_COS.c

Problem Description: A bfs_Unlink call failed while processing a COS change for a bitfile.

System Action: Log the error message.

Administrator Action: Check the error code and related log messages to determine the specific problem.

BFSR0204 **Error reading COS change record**

Source Files Generating Error Message: bfs_COS.c

Problem Description: An attempt to read a COS change record in the background thread that performs COS change processing in the Bitfile Server failed. Likely ENICINA/SFS problem.

System Action: Log the error message.

Administrator Action: Check ENCINA/SFS for problems. Also make sure the BFS configuration points at a valid COS change file.

BFSR0205 **Error getting credentials for name server**

Source Files Generating Error Message: bfs_Init.c

Problem Description: An error in generating credentials information (as root) to be utilized in communicating with the Name Server during COS processing failed.

System Action: Log the error message and abort BFS.

Administrator Action: Check DCE security.

BFSR0206 **Get DCE binding handle for NS failed**

Source Files Generating Error Message: bfs_BIndToNS.c

Problem Description: An attempt to get a binding handle for communication with the Name Server failed. Most probably cause is that the Name Server is down.

System Action: Log the error message and continue. Next time communication with Name Server is needed the connection attempt will be tried again.

Administrator Action: Make sure the Name Server is up. If it is, then check for DCE problems.

BFSR0207 Open NS context connection error

Source Files Generating Error Message: bfs_BindToNS.c

Problem Description: A call to hpss_OpenConnection to get an HPSS connection to the Name Server failed. Likely problem is that the Name Server is down.

System Action: Log the error and continue. Next time communication with Name Server is needed the connection attempt will be retried.

Administrator Action: Make sure the Name Server is up. If it is, then check for DCE problems.

BFSR0208 Read MPS metadata specific config-file failed

Source Files Generating Error Message: bfs_Init.c

Problem Description: An attempt to read the MPS metadata specific config file at startup time failed. Likely configuration or ENCINA/SFS problems.

System Action: Log the error message and abort BFS.

Administrator Action: Make sure that the BFS configuration points at a valid Migration Purge Server. If it does, check for ENCINA/SFS problems.

BFSR0209 Caching of migration policy tables failed

Source Files Generating Error Message: bfs_SClass.c

Problem Description: An attempt to cache the migration policy records into an internal BFS table failed. Likely configuration or ENCINA/SFS problems.

System Action: Log the error message and abort BFS.

Administrator Action: Make sure that the BFS configuration points at a valid migration policy metadata file. It it does, check for ENCINA/SFS problems.

BFSR0210 Caching of purge policy tables failed

Source Files Generating Error Message: bfs_SClass.c

Problem Description: An attempt to cache the purge policy records into an internal BFS table failed. Likely configuration or ENCINA/SFS problems.

System Action: Log the error message and abort BFS.

Administrator Action: Make sure that the BFS configuration points at a valid purge policy metadata file. It it does, check for ENCINA/SFS problems.

BFSR0211 Error in processing migration record file

Source Files Generating Error Message: bfs_Misc.c

Problem Description: An error occured in processing a migration record. Likely SFS problem.

System Action: Log the error message and abort the transaction. Return error to caller.

Administrator Action: Check for SFS problems.

BFSR0212 Error in processing purge record file

Source Files Generating Error Message: bfs_Misc.c

Problem Description: An error occured in processing a purge record. Likely SFS problem.

System Action: Log the error message and abort the transaction. Return error to caller.

Administrator Action: Check for SFS problems.

BFSR0213 Sink side passive in tape to tape copy

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: The src side should always be the passive in tape to tape copy. This error indicates a server BFS software error.

System Action: Log the error message and abort the Bitfile Server.

Administrator Action: HPSS software error. Call HPSS software support.

BFSR0214 ss_StartMount failed

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: An ss_StartMount call failed as a part of a tape to tape copy operation.

System Action: Log the error message and abort the operation. Return error to caller.

Administrator Action: Examine specific to determine cause and perfrom corrective action. Could represent a hardware error or the tape storage server is not up.

BFSR0215 Check current write segment failed

Source Files Generating Error Message: bfs_CopyData.c

Problem Description: A call to bfs_WriteTape CheckCurSeg failed.

System Action: Log the error message and abort the operation. Return error to caller.

Administrator Action: Examine specific error to determine cause and perfrom corrective action. Likely causes include the required tape storage server being down.

BFSR0216 BFS debug,<additional information>

Source Files Generating Error Message: Numerous BFS routines.

Problem Description: General DEBUG message. Provides additional information in some error situations that are accompanied by other error messages. Provides informatory information when some normal recovery operations occur. Only generated when DEBUG logging is on for the server.

System Action: Log the error message and continue operation.

Administrator Action: Examine provided text to determine action needed. Additional error messages provided in some error cases will provide added info.

BFSR0217 Error in processing acct log file

Source Files Generating Error Message: bfs_Acct.c

Problem Description: A metadata error occurred while processing the account log file.

System Action: An error message is logged and the operation fails.

Administrator Action: Examine the log message for the specific error code to determine exact problem.

BFSR0218 Error in processing acct summary file

Source Files Generating Error Message: bfs_Acct.c

Problem Description: A metadata error occurred while processing the account summary file.

System Action: An error message is logged and the operation fails.

Administrator Action: Examine the log message for the specific error code to determine exact problem.

BFSR0219 Preallocate not allowed

Source Files Generating Error Message: bfs_BitfileSetAttrs.c

Problem Description: Caller tried to do a prealloc which is not allowed. Caller could be trying to do a prealloc on a file that has not been opened or a prealloc is being tried on a file that does not have disk at the top level of it's hierarchy.

System Action: An error message is logged and the caller receives an EINVAL error.

Administrator Action: None

BFSR0220 xxxx ENOENT errors returned on SS unlink

Source Files Generating Error Message: bfs_Misc.c

Problem Description: The background BFS thread received the specified number of ENOENT errors when trying to unlink storage segments. This can occur on occassion. Since the background processing is done in a non-transactional manner, it is possible for BFS to try and delete a storage segment that has already been successfully deleted. This can occur especially if the BFS recently crashed or was recycled or the storage server recently crashed or was recycled.

System Action: Storage segment unlink records are removed and message is logged.

Administrator Action: If message is seen frequently, it could indicate a software problem within HPSS. Otherwise, no action is required.

BFSR0223 Error in reading purge record

Source Files Generating Error Message: bfs_Close.c

Problem Description: BFS server failed to read a purge record from the purge record metadata file.

System Action: Log a message and abort the Bitfile server.

Administrator Action: Check Encina and SFS for any problems and correct.

BFSR0224 Error in updating purge record

Source Files Generating Error Message: bfs_Close.c

Problem Description: BFS server failed to update a purge record in the purge record metadata file.

System Action: Log a message and abort the Bitfile server.

Administrator Action: Check Encina and SFS for any problems and correct.

Chapter 3

Infrastructure Configuration Error Messages (CONF Series)

CONF0001 Unmake HPSS failed...

Source Files Generating Error Message: ./config/mkhpss

Problem Description: Attempt to unconfigure HPSS failed; the content of the hpss_unmake shell script is logged in mkhpss.data file.

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why unconfigure failed, and take appropriate action.

CONF0005 DCE is not running...

Source Files Generating Error Message: ./config/mkhpss

Problem Description: The HPSS infrastructure configuration requires DCE running in the environment in order to perform DCE registration.

System Action: None.

Administrator Action: Start DCE in the environment, check the HPSS infrastructure configuration worksheet, and restart the process.

CONF0006 User <USER> must be root to run this function...

Source Files Generating Error Message: ./config/mkhpss

Problem Description: The mkhpss shell script, is not invoked by the root user ID.

System Action: None.

Administrator Action: Obtain root user ID access, check the HPSS infrastructure configuration worksheet, and restart the process.

CONF0007 Cannot acquire DCE tickets...

Source Files Generating Error Message: ./config/mkhpss; ./config/hpss_dce_register; ./config/hpss_dce_deregister; ./config/hpss_encina_register; ./config/hpss_encina_deregister

Problem Description: Attempt to dce_login as cell_admin or encina_admin failed.

System Action: None.

Administrator Action: Verify the DCE cell_admin or encina_admin user ID and password are correct, check the HPSS infrastructure configuration worksheet, and restart the process.

CONF0008 Configure HPSS with DCE failed

Source Files Generating Error Message: ./config/mkhpss

Problem Description: Error occurred when performing Configure HPSS with DCE.

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why hpss_dce_register failed, and take appropriate action.

CONF0009 Configure HPSS with Encina failed

Source Files Generating Error Message: ./config/mkhpss

Problem Description: Error occurred when performing Configure HPSS with Encina.

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why hpss_encina_register failed, and take appropriate action.

CONF0010 Invalid Option Number, try again...

Source Files Generating Error Message: ./config/mkhpss

Problem Description: Invalid option number was entered on the selection menu.

System Action: None.

Administrator Action: Verify the option number is correct and re-enter it.

CONF0011 FTP Daemon setup failed

Source Files Generating Error Message: ./config/mkhpss

Problem Description: Attempt to configure HPSS FTP Daemon failed;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why hpss_ftpd_config failed, and take appropriate action

CONF0012 Error occurred in subsystem remote installation...

Source Files Generating Error Message: ./config/mkhpss

Problem Description: Error occurred when performing remote installation to the target node.

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file and rmkhpss.data file, assess why hpss_remote_install failed for the target node(s), and take appropriate action.

CONF0013 Subsystem Remote installation not supported on this node

Source Files Generating Error Message: ./config/mkhpss

Problem Description: Attempt to run remote installation from a remote node. Or, the remote installation scripts do not exist.

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the script failed, and take appropriate action.

CONF0014 Can not make logical volume for encina logserver

Source Files Generating Error Message: ./config/hpss_encina_register

Problem Description: Attempt to make logical volume for Encina Logserver failed

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file. Verify the information provided in the HPSS infrastructure configuration worksheet, Encina Logserver section is correct.

CONF0015 Can not make logical volume for Encina SFS

Source Files Generating Error Message: ./config/hpss_encina_register

Problem Description: Attempt to make logical volume for Encina SFS failed;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file. Verify the information provided in the HPSS infrastructure configuration worksheet, Encina SFS section is correct.

CONF0016 Error occurred on creating <logserver component>

Source Files Generating Error Message: ./config/hpss_encina_register

Problem Description: Attempt to create the specified Encina Logserver component failed;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the creation of the Encina Logserver component failed, and take appropriate action.

CONF0017 DCE login failed...

Source Files Generating Error Message: ./config/mkhpss

Problem Description: Attempt to dce_login as cell_admin or encina_admin failed;

System Action: None.

Administrator Action: Verify the DCE cell_admin or encina_admin user ID and password are correct, check the HPSS infrastructure configuration worksheet, and restart the process.

CONF0018 Add SSM user <USER> failed...

Source Files Generating Error Message: ./config/mkhpss

Problem Description: Attempt to create an SSM administrator user ID failed;

System Action: None.

Administrator Action: Verify the DCE cell_admin user ID and password are correct, check the HPSS infrastructure configuration worksheet, and restart the process.

CONF0020 Error occurred on recycling SFS server

Source Files Generating Error Message: ./config/hpss_encina_register

Problem Description: Attempt to recycle SFS server failed;

System Action: None.

Administrator Action: Verify the DCE cell_admin and encina_admin user ID's and passwords are correct, verify the DCE environment is healthy and restart the process.

CONF0021 Port number reserved, try again...

Source Files Generating Error Message: ./config/hpss_ftpd_config

Problem Description: The specified port number is reserved;

System Action: None.

Administrator Action: Select a port number that is outside the reserved range and enter it at the prompt.

CONF0022 Can not add <HPSS FTP> entry to %s/services

Source Files Generating Error Message: ./config/hpss_ftpd_config

Problem Description: Attempt to add <HPSS FTP> daemon entry to the /etc/services file failed;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the file /etc/services modification failed, and take appropriate action.

CONF0023 Error occurred on subsystem tar file generation

Source Files Generating Error Message: ./config/hpss_remote_install

Problem Description: Error occurred on subsystem tar file generation. Most likely, there is not enough disk space.

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the tar files could not be generated, and take appropriate action.

CONF0024 Can not extract subsystem: <subsystem> on target node: <node ID>

Source Files Generating Error Message: ./config/hpss_remote_install

Problem Description: Attempt to extract <subsystem> HPSS component on <node ID> target node from the tar file failed;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the specified HPSS component could not be extract from the tar file, and take appropriate action.

CONF0025 Can not remote copy tar file: <subsystem>.tar to target node: <node ID>

Source Files Generating Error Message: ./config/hpss_remote_install

Problem Description: Can not remote copy HPSS subsystem tar file, <subsystem>.tar, to the target node <node ID>;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the specified tar file could not be copied to the target node, and take appropriate action.

CONF0026 Error occurred when disable rsh to target node: <node ID>

Source Files Generating Error Message: ./config/hpss_remote_install

Problem Description: The temporary rsh capability set up by the HPSS remote installation process could not be disabled;

System Action: None.

Administrator Action: Review error/status condition logged in mkhpss.data file, assess why the rsh capability between the installation node and the target node could not be disabled. Manual removal of the .rhost file from the target node root user home directory my be required.

CONF0027 usage error

Source Files Generating Error Message: ./config/hpss_remote_install

Problem Description: Parameter error when calling hpss_rsh_control function.

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the hpss_rsh_control failed, and take appropriate action.

CONF0028 Can not open target node root user id password file

Source Files Generating Error Message: ./config/hpss_remote_install; ./config/hpss_remote_uninstall

Problem Description: The temporary file, $RHOST_PASS_FILE, that contains the target node root password can not be opened.

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the temporary target node root password file can not be opened, and take appropriate action.

CONF0029 Can not FTP to the target node; FTP connect timed out

Source Files Generating Error Message: ./config/hpss_remote_install; ./config/hpss_remote_uninstall

Problem Description: FTP connection form the installation node to the remote node timed out after a 30 second wait;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the FTP connection timed out, and take appropriate action.

CONF0030 Can not FTP to the target node; bad FTP reply

Source Files Generating Error Message: ./config/hpss_remote_install; ./config/hpss_remote_uninstall

Problem Description: FTP connection from the installation node to the remote node encountered bad FTP reply, FTP connection terminated;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the bad FTP reply occurred, and take appropriate action.

CONF0031 Can not FTP to the target node as user <user ID>

Source Files Generating Error Message: ./config/hpss_remote_install; ./config/hpss_remote_uninstall

Problem Description: Error returned from FTP “USER” command; FTP login to the target node failed;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the bad FTP reply occurred, and take appropriate action.

CONF0033 Can not set up rsh capability on the target node

Source Files Generating Error Message: ./config/hpss_remote_install; ./config/hpss_remote_uninstall

Problem Description: Attempt to set up .rhost file in the target node root user home directory failed;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the .rhost file can not be set up in the target node root user home directory, and take appropriate action.

CONF0034 Can not remove/restore rsh capability on the target node

Source Files Generating Error Message: ./config/hpss_remote_install; ./config/hpss_remote_uninstall

Problem Description: Attempt to remove/restore the .rhost file in the target node root user home directory failed;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the .rhost file can not be set up in the target node root user home directory, and take appropriate action.

CONF0035 Can not enable rsh to target node: <node ID>

Source Files Generating Error Message: ./config/hpss_remote_install; ./config/hpss_remote_uninstall

Problem Description: Attempt to set up temporary rsh capability to the target node, <node ID>, failed;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data, file, assess why the rsh capability between the installation node and the target node could not be enabled, and take appropriate action.

CONF0036 Invalid subsystem selected, subsystem = <subsystem name>

Source Files Generating Error Message: ./config/hpss_remote_install

Problem Description: An invalid subsystem name was entered;

System Action: None.

Administrator Action: Verify the correct subsystem name is entered.

CONF0037 Can not open <file>; exiting...

Source Files Generating Error Message: ./config/hpss_remote_uninstall

Problem Description: Attempt to open the remote install state file failed;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the addition of the /etc/inittab entry failed, and take appropriate action.

CONF0038 Can not add HPSS Startup Daemon entry to inittab

Source Files Generating Error Message: ./config/mkhpss

Problem Description: Attempt to add HPSS startup daemon entry to /etc/inittab failed;

System Action: None.

Administrator Action: Review the error/status condition logged in mkhpss.data file, assess why the addition of the /etc/inittab entry failed, and take appropriate action.

CONF0039 Error occurred on initializing <SFS server>

Source Files Generating Error Message: ./config/hpss_encina_register

Problem Description: Attempt to initialize Encina SFS server failed;

System Action: None.

Administrator Action: Verify the DCE cell_admin and encina_admin user ID's and passwords are correct, verify the DCE environment is healthy and restart the process.

Chapter 4

Common Services Library Error Messages (CSHL Series)

CSHL001 **RPC <RPC name> failed: <reason>**

Source Files Generating Error Message: hpss_LogRPCError.c (representing various other subsystem files)

Problem Description: An RPC call to a server failed.

System Action: System cannot properly operate until administrative actions are taken.

Administrator Action: Review the DCE error message <reason> and take corrective action. Verify the server is up and running.

CSHL002 **Unable to get RPC handle to server <server name>: <reason>**

Source Files Generating Error Message: hpss_LogGetRPCHandleError.c (representing various other subsystem files)

Problem Description: A server is unable to acquire a DCE RPC handle to another server.

System Action: System cannot properly operate until administrative actions are taken.

Administrator Action: Verify the server referenced by <server name> is running. Review the DCE error message <reason> and take corrective action. Verify the correctness of the server configuration information for both servers in question.

CSHL003 **TRPC <TRPC name> failed: <reason>**

Source Files Generating Error Message: hpss_LogTRPCError.c (representing various other subsystem files)

Problem Description: An TRPC call to a server failed.

System Action: System cannot properly operate until administrative actions are taken.

Administrator Action: Review the Encina/DCE error message <reason> and take corrective action. Verify the server is up and running.

CSHL004 **Unable to construct TRPC handle to server <server name>: <reason>**

Source Files Generating Error Message: hpss_LogGetTRPCHandleError.c (representing various other subsystem files)

Problem Description: An attempt to generate a transactional RPC handle failed.

System Action: System cannot properly operate until administrative actions are taken.

Administrator Action: Review the DCE error message <reason> and take corrective action.Verify the server is up and running.

CSHL063 Server generated <N>th RPC handle to <server name>

Source Files Generating Error Message: hpss_GetRPCHandle.c

Problem Description: An internal software error is causing too many RPC binding handles to be generated to the referenced server.

System Action: Server may operate in a degraded mode until administrative actions are taken.

Administrator Action: Report the problem to product support and restart the server.

Chapter 5

DCE Error Messages (DCES Series)

DCES0005 **Error <number> : <reason>**

Source Files Generating Error Message: hpss_Error.c

Problem Description: This is an old style message that is being phased out, and should not be appearing. If it does appear, it indicates that an unexpected error occurred.

System Action: Various, depending on circumstances.

Administrator Action: inspect the reason and try to determine what if anything needs to be fixed

DCES0006 **DCE Communications failure**

Source Files Generating Error Message: hpss_FindService.c

Problem Description: This is an obscure error that should not be possible, given the way the HPSS is configured. For it to happen, one process would have to be both the client and server for a given RPC request.

System Action: Server won't start.

Administrator Action: Contact HPSS software support.

DCES0007 **Generic HPSS error**

Source Files Generating Error Message: None.

Problem Description: It is not supposed to be possible for this error to occur. If it does, it indicates that memory has been overwritten.

System Action: None.

Administrator Action: None.

DCES0008 **Connection Suspended**

Source Files generating error Message: hpss_EnterConnection.c

Problem Description: This problem cannot occur. It indicates that an HPSS_style connection has been suspended, but there is currently no code in the HPSS that suspends connections. If the error occurs, it indicates that memory has been overwritten.

System Action: All operations involving that connection will fail to work.

Administrator Action: None.

DCES0009 Authentication Error

Source Files Generating Error Message: hpss_SetLoginContext.c, hpssd_StartServer.c, Problem Description This problem occurs if a server cannot obtain a login context. It will also occur if the SSM tries to start a server under a UNIX username that does not exist on the remote host.

System Action: The server will not be able to start.

Administrator Action: Verify that the proper principal name has been added to the registry. Verify that the keytable exists. Verify that the keytable is readable by the UNIX user name under which the server is operating. Verify that the UNIX user name exists in the local registry (e.g., /etc/passwd).

DCES0010 Connection manager initialization error

Source Files Generating Error Message: hpssd_Main.c, hpssd_StartServer.c, hpssd_KillServer.c

Problem Description: This is a coding error. It indicates that a server failed to call hpss_InitConnections, or tried to call it more than once.

System Action: System will be unable to much of anything.

Administrator Action: Correct the code and recompile.

DCES0011 Connection table is full

Source Files Generating Error Message: hpss_OpenLocalConn.c

Problem Description: A server's connection table has filled. This could be a sign that the system load is too high. It could also mean a coding error is keeping servers from closing connections in a timely fashion.

System Action: Not much of anything will work.

Administrator Action: Try enlarging the [MaxConnections] field in the server configuration files.

DCES0012 Bad Connection Handle

Source Files Generating Error Message: All DCE sources.

Problem Description: This problem will occur if a server tries to close or use an HPSS-style connection handle that doesn't exist. That might occur because another server has crashed and restarted, for example. This error should not normally occur, since servers typically try to anticipate crash and restart problems and to deal with those situations accordingly.

System Action: Transactions involving the bad connection handle will fail.

Administrator Action: If the problem is because the server crashed, try to determine why the server crashed and prevent the problem from happening again. Do not restart the server, as it may cause the problem to happen again.

DCES0013 Connection busy; deletion has been deferred

Source Files Generating Error Message: Currently not used.

Problem Description: Currently not used.

System Action: Currently not used.

Administrator Action: Currently not used.

DCES0014 Hostname() failed

Source Files Generating Error Message: Currently not used.

Problem Description: Currently not used.

System Action: Currently not used.

Administrator Action: Currently not used.

DCES0037 Nil object uuid or bad binding: <binding>

Source Files Generating Error Message: hpss_FindService.c

Problem Description: A server has looked up another server in the CDS and found a nil object uuid.

System Action: The server will not be able to find the other server.

Administrator Action: This situation should never happen. Inspect the logs to see if it can be determined how the CDS entry got set up wrong in the first place. To fix the problem, restart the second server, then the first server. On rare occasions, it may be necessary to delete the CDS entry itself.

DCES0038 Cannot <open, lseek, truncate, ...> file <filename> : <reason>

Source Files Generating Error Message: hpss_MarkServerRunning.c

Problem Description: While a server was starting, it tried to perform the named operation (open, lseek, truncate, etc...) on a lock file that is used to keep track of which servers are running. The operation failed for the reason specified.

System Action: The server may not be able to start

Administrator Action: Inspect the reason and determine what needs to be done. This may mean changing the owner of the lock file, for example. On rare occasions, the file may have to be deleted.

DCES0039 Cannot find any free locks in lock file <filename> : <reason>

Source Files Generating Error Message: hpssd_MarkServerRunning.c

Problem Description: When a server started up, it tried to indicate that it was running by setting a lock in the named lock file. This failed for the reason named.

System Action: The server may or may not come up, but it will probably be hard to stop it later.

Administrator Action: This is an unlikely error. If it does happen, it may indicate that there are too many copies of the server running, or that the file protections are set wrong. Fix the problem, and restart the server if necessary. As a last resort, rename the lock file and then restart the server.

DCES0040 Cannot change owner of lock file <filename>

Source Files Generating Error Message: Currently not used

Problem Description: Currently not used

System Action: Currently not used

Administrator Action: Currently not used

DCES0041 Finding service <servicename> [t<threadid>]

Source Files Generating Error Message: hpss_FindService.c

Problem Description: This is not a problem. The message appears whenever one server is trying to find another one. The text of the message gives more information on what is happening. It also tells which thread is trying to do the find.

System Action: The server will continue with the find process

Administrator Action: No explicit action is required. If servers seem to having trouble establishing communications, study this message and others like it to see what may be going wrong. In particular, watch for problems caused by two threads trying to find the same service. There will be a flurry of messages like this when the SSM is first started. If you find them annoying, you can disable them by turning off trace messages.

DCES0042 Service not found [t<threadid>] : <reason>

Source Files Generating Error Message: hpss_FindService.c

Problem Description: A server cannot find another server for the reason

indicated.

System Action: The servers will not be able to communicate

Administrator Action: Try to find why the servers are unable to communicate. The chances are that the network is not functioning well, or that the target server is too busy to respond. Recycle one or both servers may solve the problem. Clear out the endpoint map and CDS entries for the servers only as a last resort.

DCES0043 Inquiring server principal name [t<threadid>]

Source Files Generating Error Message: hpss_FindService.c

Problem Description: This is not a problem. The message appears whenever one server is trying to find another one. The text of the message gives more information on what is happening. It also tells which thread is trying to do the find.

System Action: The server will continue with the find process

Administrator Action: No explicit action is required. If servers seem to having trouble establishing communications, study this message and others like it to see what may be going wrong. In particular, watch for problems caused by two threads trying to find the same service.

DCES0044 Inquiry failed [t<threadid>] : <reason>

Source Files Generating Error Message: hpss_FindService.c

Problem Description: A server tried to find the principal name of the server it was trying to establish communications with. The inquiry failed for the reason indicated.

System Action: The servers won't be able to communicate with each other.

Administrator Action: Examine the reason to find what may be going wrong and try to fix the problem.

DCES0045 Setting auth info [t<threadid>]

Source Files Generating Error Message: hpss_FindService.c

Problem Description: This is not a problem. The message appears whenever one server is trying to find another one. The text of the message gives more information on what is happening. It also tells which thread is trying to do the find.

System Action: The server will continue with the find process

Administrator Action: No explicit action is required. If servers seem to having trouble establishing communications, study this message and others like it to see what may be going wrong. In particular, watch for problems caused by two threads trying to find the same service.

DCES0046 Auth info failed [t<threadid>] : <reason>

Source Files Generating Error Message: hpss_FindService.c

Problem Description: A server was trying to find another server and tried to set the authorization level of the binding handle. This failed for the reason indicated.

System Action: The servers won't be able to communicate with each other.

Administrator Action: Examine the reason to find what may be going wrong and try to fix the problem.

DCES0047 Service was found [t<threadid>]

Source Files Generating Error Message: hpss_FindService.c

Problem Description: This is not a problem. The message appears whenever one server is trying to find another one.

System Action: The server has completed the find operation successfully and will start communicating with the other server.

Administrator Action: None.

DCES0048 Resolve_binding for <binding> [t<threadid>]

Source Files Generating Error Message: hpss_FindService.c

Problem Description: This is not a problem. The message appears whenever one server is trying to find another one. The text of the message gives more information on what is happening. It also tells which thread is trying to do the find.

System Action: The server will continue with the find process

Administrator Action: No explicit action is required. The binding tells information about what protocol will be used, what host the binding is for, etc. This information can be used to diagnose problems when servers cannot communicate with each other.

DCES0049 Resolve_binding failed [t<threadid>] : <reason>

Source Files Generating Error Message: hpss_FindService.c

Problem Description: A server was trying to find another server and tried to resolve the endpoint with the endpoint mapper on the second server's host. This failed for the reason indicated. Refer to message DCES0048 to find which endpoint was being used.

System Action: The servers will not be able to communicate using the endpoint in question. Depending on how other endpoints are handled, the servers may not be able to communicate at all.

Administrator Action: If the find operation succeeds for a different endpoint, there is nothing that needs to be done. If the target server is running, it may be too busy to field requests and may need to be restarted. If the target server is down, restart it.

DCES0050 Check server listening [t<threadid>]

Source Files Generating Error Message: hpss_FindService.c

Problem Description: This is not a problem. The message appears whenever one server is trying to find another one. The text of the message gives more information on what is happening. It also tells which thread is trying to do the find.

System Action: The server will continue with the find process

Administrator Action: No explicit action is required. If servers seem to having trouble establishing communications, study this message and others like it to see what may be going wrong. In particular, watch for problems caused by two threads trying to find the same service.

DCES0051 Server_listening failed [t<threadid>] : <reason>

Source Files Generating Error Message: hpss_FindService.c

Problem Description: A server was trying to find another server and tried to see if the server was actually listening for incoming messages. This operation failed for the reason indicated.

System Action: The servers will not be able to communicate

Administrator Action: This probably indicates that the network is down, the server is down, or the server is too busy to listen. Examine the reason to find what may be going wrong and try to fix the problem.

DCES0052 Try again; this time bypass CDS cache [t<threadid>]

Source Files Generating Error Message: hpss_FindService.c

Problem Description: One server was trying to find another server and didn't succeed. The server is now trying to see if the target server has been moved to a different host. This message does not by itself indicate a problem.

System Action: The server will continue with the find process

Administrator Action: No explicit action is required. If servers seem to having trouble establishing communications, study this message and others like it to see what may be going wrong. In particular, watch for problems caused by two threads trying to find the same service.

DCES0053 Registering services in <cdsname>

Source Files Generating Error Message: hpss_RegisterService.c

Problem Description: This is not a problem. The message appears whenever a server first comes up. It indicates that a server is trying to register itself so that other servers may find it. Message DCES0053 indicates which CDS entry is being set up, while message DCES0056 indicates which bindings are being used in that entry.

System Action: The server will continue to try to register itself.

Administrator Action: None. If servers are having trouble communicating with each other, use this and other messages like it to determine what the problem may be.

DCES0054 Cannot delete CDS entry : <reason>

Source Files Generating Error Message: hpss_RegisterService.c

Problem Description: A server was trying to register itself with the CDS and needed to delete a previous CDS entry. The operation failed for the reason indicated. The name of the CDS entry that is causing the problem can be found from messages DCES0053.

System Action: The server will not be able to register with the CDS, and so other servers will not be able to communicate with it.

Administrator Action: This could happen if the server that created the CDS entry and the one that tried to delete the entry were running under different DCE identities. It may also indicate a problem in the HPSS software. To fix the problem, you may have to delete the CDS entry that is causing the problem.

DCES0055 Unexpected problem with library routine <routinename> : <reason>

Source Files Generating Error Message: hpss_RegisterService.c

Problem Description: A server was trying to register itself with the CDS and tried to call a utility function. The function failed for the reason indicated.

System Action: The server probably will not be able to register with the CDS, and so other servers will not be able to communicate with it.

Administrator Action: This probably should not occur. If it does happen, it may indicate a problem in the HPSS code. It may also indicate that the server cannot get the resources needed to complete the action, in which case restarting the server or the operating system may be required.

DCES0056 Registering <binding>

Source Files Generating Error Message: hpss_RegisterService.c

Problem Description: This is not a problem. The message appears whenever a server first comes up. It indicates that a server is trying to register itself so that other servers may find it. Message DCES0053 indicates which CDS entry is being set up, while message DCES0056 indicates which bindings are being used in that entry.

System Action: The server will continue to try to register itself.

Administrator Action: None. If servers seem to be having trouble finding this server, check that they are using the same binding that this server is using. In particular, make sure they are using the same port number.

DCES0057 Cannot export bindings : <reason>

Source Files Generating Error Message: hpss_RegisterService.c

Problem Description: A server was trying to register itself with the CDS and tried to export information there. The operation failed for the reason indicated.

System Action: The server probably will not be able to register with the CDS, and so other servers will not be able to communicate with it.

Administrator Action: This probably should not occur. If it does happen, it may indicate a problem in the HPSS code. You may need to restart the server and/or delete the CDS entry to recover.

DCES0058 Purging endpoints

Source Files Generating Error Message: hpss_RegisterService.c

Problem Description: This is not a problem. The message appears whenever a server first comes up. It indicates that a server is trying to register itself so that other servers may find it.

System Action: The server will continue to try to register itself.

Administrator Action: None.

DCES0059 Cannot purge <binding> : <reason>

Source Files Generating Error Message: hpss_RegisterService.c

Problem Description: A server was trying to register itself with the CDS and tried to purge obsolete endpoints from the endpoint map. The operation failed for the reason indicated.

System Action: The purge will fail, but the server will continue to register itself. Other servers may or may not have difficulty finding this server.

Administrator Action: It is probably not necessary to do anything. But if other servers seem to be having trouble reaching this server, you may want to remove the old endpoint manually from the endpoint mapper.

DCES0060 Purging <binding>

Source Files Generating Error Message: hpss_RegisterService.c

Problem Description: This is not a problem. The message appears whenever the server has successfully purged an endpoint from the endpoint map.

System Action: None.

Administrator Action: None.

Chapter 6

Delog Error Messages (DLOG Series)

DLOG0003 Master Message Catalog open failed

Source Files Generating Error Message: delog_main.c

Problem Description: The HPSS master message catalog containing displayable text could not be opened. Default text messages will be output.

System Action: Default messages will be output. The default messages will be in English only.

Administrator Action: Check the NLSPATH environment variable to make sure the HPSS message catalog path is included.

DLOG0191 Creation of signal handling thread failed

Source Files Generating Error Message: delog_main.c

Problem Description: Delog was unable to create a thread to wait for and process signals. Either the system lacked sufficient memory to perform the operation or the user on whose behalf the request is executing has exceeded the number of threads allowed.

System Action: Delog will terminate.

Administrator Action: Start delog when resources are available.

DLOG0250 Call to block signals failed

Source Files Generating Error Message: delog_main.c

Problem Description: The mask of signals to block from the signal handling routine could not be set. This error should not occur.

System Action: None.

Administrator Action: None.

DLOG0400 Initialization of logging services failed

Source Files Generating Error Message: delog_main.c

Problem Description: Either the HPSS message catalog could not be opened or a message queue could not be created.

System Action: The delog will terminate, without any records being processed

Administrator Action: Ensure that the HPSS message catalog has been installed in the correct directory. Also verify that the system limit of message queues has not been exceeded.

DLOG0401 Invalid argument count specified

Source Files Generating Error Message: delog_main.c

Problem Description: The number of input arguments was less than 2.

System Action: The delog will terminate, without any records being processed.

Administrator Action: At a minimum, specify an input log file name and an output delog file name.

DLOG0511 Log file lseek failed

Source Files Generating Error Message: delog_main.c

Problem Description: While attempting to position past (skip) a log record, an error occurred.

System Action: The delog will terminate. The delog output file will contain records up to the point of the read failure.

Administrator Action: None.

DLOG0534 Invalid log file identifier

Source Files Generating Error Message: delog_main.c

Problem Description: The log file identifier did not indicate logfile01 or logfile02. This internal error should not occur.

System Acton: Delog will terminate.

Administrator Action: Restart the delog. If the problem persists, notify support.

DLOG0540 Log file read failed

Source Files Generating Error Message: delog_main.c

Problem Description: A read to a log file record was unsuccessful.

System Action: The delog will terminate. The delog output file will contain records up to the point of the read failure.

Administrator Action: None.

DLOG0602 Log file open failed

Source Files Generating Error Message: delog_main.c

Problem Description: Delog was unable to open the log file which is to be delogged.

System Action: The delog will terminate, without any records being processed.

Administrator Action: Ensure that: the name of the name of the delog output file is a valid pathname, the user has write permission to the file, and that the file system has sufficient space.

DLOG0607 Log file close failed

Source Files Generating Error Message: delog_main.c

Problem Description: Delog was unable to close the file in which the log file being delogged. If this was the only error associated with the request, then the delog request would have completed successfully.

System Action: None.

Administrator Action: None.

DLOG0800 Usage error: duplicate delog start time

Source Files Generating Error Message: delog_main.c
Problem Description: More than one -s (start time) option was specified in the delog request.
System Action: The delog will terminate, without any records being processed.
Administrator Action: Resubmit the delog request with no more than 1 -s option.

DLOG0801 Usage error: invalid delog start time

Source Files Generating Error Message: delog_main.c
Problem Description: The time following the -s option was not valid. The time must be in the following format: YY:MM:DD:hh:mm:ss, where YY=year, MM=Month, DD=day, hh=hours, mm=minutes, ss=seconds. The year YY: is optional
System Action: The delog will terminate, without any records being processed.
Administrator Action: Resubmit the delog request with a valid time.

DLOG0802 Usage error: duplicate delog end time

Source Files Generating Error Message: delog_main.c
Problem Description: More than one -e (end time) option was specified in the delog request.
System Action: The delog will terminate, without any records being processed.
Administrator Action: Resubmit the delog request with no more than 1 -e option.

DLOG0803 Usage error: duplicate LS name

Source Files Generating Error Message: delog_main.c
Problem Description: More than one -l (Location Server) name was specified in the delog request.
System Action: The Delog will terminate, without any records being processed
Administrator Action: Resubmit the delog request with no more than 1 -l option.

DLOG0804 Usage error: duplicate keytab pathname

Source Files Generating Error Message: delog_main.c
Problem Description: More than one -k (keytab path) name was specified in the delog request.
System Action: The Delog will terminate, without any records being processed.
Administrator Action: Resubmit the delog request with no more than 1 -k option.

DLOG0805 Usage error: duplicate log principal name

Source Files Generating Error Message: delog_main.c
Problem Description: More than one -p (log principal) name was specified in the delog request.
System Action: The Delog will terminate, without any records being processed.
Administrator Action: Resubmit the delog request with no more than 1 -p option.

DLOG0806 Usage error: invalid delog end time

Source Files Generating Error Message: delog_main.c

Problem Description: The time following the -e option was not valid. The time must be in the following format: YY:MM:DD:hh:mm:ss, where YY=year, MM=Month, DD=day, hh=hours, mm=minutes, ss=seconds. The year YY: is optional

System Action: The delog will terminate, without any records being processed.

Administrator Action: Resubmit the delog request with a valid time.

DLOG0807 Usage error: invalid delog record type

Source Files Generating Error Message: delog_main.c

Problem Description: The value following the -t option was not one of the following values: alarm, event, request, security, accounting, debug, or trace

System Action: The delog will terminate, without any records being processed.

Administrator Action: Resubmit the delog request with a valid type.

DLOG0808 Usage error: invalid delog option

Source Files Generating Error Message: delog_main.c

Problem Description: A delog input option other than -s (start time), -e (end time), -d (descriptive name), -t (record type), or -u (user) was specified.

System Action: The delog will terminate, without any records being processed.

Administrator Action: Resubmit the delog request with valid options.

DLOG0809 Set login context failed

Source Files Generating Error Message: delog_main.c

Problem Description: The Delog process was unable to login to its DCE principal name.

System Action: The Delog will terminate, without any records being processed.

Administrator Action: Verify that the Log principal name has been defined, and that the associated password has been defined in the HPSS keytab file. Also, if the -p option was specified in the Delog request, verify the principal name supplied is valid.

DLOG0810 Open of delog output file failed

Source Files Generating Error Message: delog_main.c

Problem Description: Delog was unable to open the file in which the delog results were stored.

System Action: The delog will terminate, without any records being processed.

Administrator Action: Ensure that: the name of the name of the delog output file is a valid pathname, the user has write permission to the parent directory if the file does not already exit, the user has write permission to the file if it already exists, and that the file system has sufficient space.

DLOG0811 Allocation of delog buffer failed

Source Files Generating Error Message: delog_main.c

Problem Description: Delog was unable to allocate memory for either an input or output buffer.

System Action: The delog request will fail.

Administrator Action: There is insufficient memory to perform the delog. Determine why the system is out of memory. Resubmit the delog request when the condition clears.

DLOG0812 Invalid log file header detected

Source Files Generating Error Message: delog_main.c

Problem Description: The log file header was determined to be invalid.

System Action: The delog will terminate, without any records being processed.

Administrator Action: Ensure the input log file name specified is a valid name of a log file. If not, resubmit the delog request with a valid log file name.

DLOG0813 Write to delog output file failed

Source Files Generating Error Message: delog_main.c

Problem Description: A write to a delog output record was unsuccessful.

System Action: The delog will terminate. The delog output file will contain records up to the point of the write failure.

Administrator Action: Ensure that the file system has sufficient space.

DLOG0814 Delog complete - number of output records = %d

Source Files Generating Error Message: delog_main.c

Problem Description: The delog completed and processed *n* records successfully.

System Action: None.

Administrator Action: None, informational only.

DLOG0815 Close of delog output file failed

Source Files Generating Error Message: delog_main.c

Problem Description: Delog was unable to close the file in which the delog results were stored. If this was the only error associated with the request, then the delog request would have completed successfully.

System Action: None.

Administrator Action: None.

DLOG0816 Delog output file name may not be logfile01 or logfile02

Source Files Generating Error Message: delog_main.c

Problem Description: The delog output file name specified was the same as the name of the primary or secondary HPSS log file. To help prevent corruption of the HPSS log files, specification of improper log file names is rejected by the delog process.

System Action: The delog request will fail.

Administrator Action: Resubmit the delog request with a different delog output file name.

Chapter 7

DMAP Gateway Error Messages (DMG Series)

DMG0000 Invalid Message Number - Message should never appear (software error).

Source Files Generating Error Message: None

Problem description: This message should never appear in the log or the on the alarms screen. If it does then the DMAP Gateway is having problems interfacing with the logging routines.

System Action: None. The DMAP gateway will continue running, but messages may be incorrect and misleading.

Administrative Action: Report a PTR to HPSS to have this fixed.

DMG0001 Entering procedure %s.

Source Files Generating Error Message: dmg_admin.c dmg_dm_attr.c dmg_dm_data.c dmg_dm_destroy.c dmg_dm_inval.c dmg_dm_mount.c dmg_dm_name.c dmg_ssm.c

Problem description: No problem. This is a normal DEBUG message.

System Action: None.

Administrative Action: None

DMG0002 Exiting procedure %s.

Source Files Generating Error Message: dmg_admin.c dmg_dm_attr.c dmg_dm_data.c dmg_dm_destroy.c dmg_dm_inval.c dmg_dm_mount.c dmg_dm_name.c dmg_hp_name.c dmg_hp_data.c dmg_ssm.c

Problem description: No problem. This is a normal DEBUG message.

System Action: None.

Administrative Action: None

DMG0003 Client API error (%s), procedure %s - See Client API documentation

Source Files Generating Error Message: dmg_dm_attr.c dmg_dm_destroy.c dmg_dm_inval.c dmg_dm_name.c

Problem description: A Client API error has occurred. This is a DEBUG message which will occasionally print out. If these messages are repeating or frequent please refer to the Client API error manual to determine the reason.

System Action: None.

Administrative Action: Most likely the BFS or the Name Server is down.

DMG0004 Bad connection handle, procedure %s - SSM or Client API passed invalid handle

Source Files Generating Error Message: dmg_admin.c

Problem description: This message will be printed out when DMG administrative calls are made. It will only print out if REQUEST logging is turned on. It will print if the client has supplied an invalid connect handle to the DMG. The connection handle may go bad during DMG crashes or if the network is having a problem.

System Action: None.

Administrative Action: This problem should only show occasionally and if it is frequent then the SSM or the CLAPI probably have some kind of bug. Please report this as a PTR if it appears frequently.

DMG0005 Caller not authorized, procedure %s - PROBABLE REASON: Administrative user does not have control permission set in ACL.

Source Files Generating Error Message: dmg_admin.c

Problem description: A client issued an administrative command to the DMG but the caller is not authorized for admin command. This message will only show if REQUEST tracing is turned on. The client must have control permissions in the DMG security ACL's.

System Action: DMAP Gateway administration calls will be rejected for this caller.

Administrative Action: If the caller is to be allowed administrative access then the DMAP Gateway security ACL's should be modified to allow the caller access.

DMG0006 File Set not found or mounted, procedure %s - PROBABLE REASON: Fileset does not exist or the HDM has not yet issued mount request.

Source Files Generating Error Message: dmg_admin.c dmg_dm_data.c dmg_dm_destroy.c dmg_dm_inval.c dmg_dm_name.c dmg_hp_data.c dmg_hp_name.c

Problem description: This message will only print out when REQUEST tracing is turned on. If the call is an admin call then the fileset does not exist. If the message prints out any other time then the fileset does not exist or the HDM has not yet mounted the fileset and thus the fileset is not available for client accesses.

System Action: DMAP Gateway will reject all accesses to objects in this fileset.

Administrative Action: Determine if the HDM has crashed and not restarted properly.

DMG0007 Server (%s): %s.

Source Files Generating Error Message: dmg_dm_misc.c

Problem description: This message should only print out if the dmg_dm_log_external command is called. Currently no know client issues this call. The purpose of the call is to allow HDM clients without logging to post log messages to the HPSS system.

System Action: None

Administrative Action: Messages of this type should help determine problems with the HDM.

DMG0008 DCE thread error (%s), procedure %s - PROBABLE REASON: software error in DMAP Gateway

Source Files Generating Error Message: dmg_dm_misc.c dmg_main.c dmg_ssm.c

Problem description: This is an ALARM log message and is a critical problem. If this message is posted then the DMG is probably in a very bad state and will soon shutdown or crash. If DCE procedure fail the DMG have usually either corrupted memory or has a memory growth problem.

System Action: The DMAP Gateway will most likely shutdown.

Administrative Action: Report a PTR to HPSS. Make sure the DMAP gateway starts up correctly after shutdown.

DMG0009 File System (%d) has no configured file sets, procedure %s" - PROBABLE REASON: A fileset never created for the FileSystem, HDM and DMAP Gateway have inconsistent configurations

Source Files Generating Error Message: dmg_dm_mount.c

Problem description: This is always a alarm message. It will not effect the normal operation f the DMG and thus is posted as MAJOR. This message will occur if the HDM believes the DMG is managing a fileset and the DMG does not know anything about that fileset.

System Action: The DMAP gateway will continue to function, but any filesets on the file system will be inaccessible.

Administrative Action: Check HDM and DMAP Gateway configuration files to determine the inconsistencies. DMAP Gateway fileset information can be viewed through the SSM, but HDM configuration can only be viewed on the machine on which the HDM is running (See HDM configuration).

DMG0010 FileSystem (%d) has inconsistent metadata, procedure %s - PROBABLE REASON: Filesets on FileSystem are managed by different HDM's.

Source Files Generating Error Message: dmg_dm_mount.c

Problem description: This is a MAJOR ALARM message. The DMG will continue running but the HDM and the DMG have inconsistent metadata. The DMG has fileset metadata for multiple filesets that supposedly reside on the same aggregate but are managed by multiple HDM's. This is a situation that should never occur because only one HDM can manage any one aggregate (file system).

System Action: All filesets on the file system will be inaccessible.

Administrative Action: Check HDM and DMAP Gateway configuration files to determine the inconsistencies. DMAP Gateway fileset information can be viewed through the SSM, but HDM configuration can only be viewed on the machine on which the HDM is running (See HDM configuration).

DMG0012 Invalid mode (0x%08x) or type (%d), procedure %s - HDM software error.

Source Files Generating Error Message: dmg_dm_name.c

Problem description: The HDM issued an object create request which is inconsistent. This is an HDM error and should be corrected. It is currently only displayed when REQUEST tracing is turned on.

System Action: The object create will fail.

Administrative Action: The HDM and DMAP Gateway source code either have a bug or are running different versions. If they are the same version then there is a software bug in the HDM or the XDR communication routines.

DMG0013 Other than HPSS name space option not allowed, procedure %s - HDM trying to use fileset option not yet supported.

Source Files Generating Error Message: dmg_dm_name.c

Problem description: This is a MAJOR ALARM. The fileset metadata has been assigned a type that is not suuported. Currently only types 1(archive) and 3 (mirrored) are supported. Any other type is an error. Originally we thought type 2 would be support. Type 2 was intended to be a fileset which only used the DFS name space.

System Action: Any requests for this fileset will be rejected.

Administrative Action: The HDM most likely has a software bug or the XDR communication routines are in error. Please report a PTR to HPSS.

DMG0014 Error sending intermediate 2-phase commit message, procedure (%s) - PROBABLE REASON: HDM server shutdown/crash or network failure.

Source Files Generating Error Message: dmg_dm_name.c

Problem description: This is a MAJOR debug message. This message usually prints when the HDM has been shutdown or has crashed. It may also occur during network problems.

System Action: Client request may retry or fail depending on the current state of the request. The current request will definately be aborted.

Administrative Action: If this is frequent then determine if the HDM has crashed or whether the network is having problems. If neither of these is the cause then there is probably a bug in the HDM or DMAP Gateway that should be reported as a PTR to HPSS.

DMG0015 Error receiving 2-phase commit result, procedure %s - PROBABLE REASON: network failure, HDM shutdown/crash, or xdr inconsistency.

Source Files Generating Error Message: dmg_dm_name.c

Problem description: This is a MAJOR DEBUG message. It usually prints out when the HDM shutdown or crashes or the network is having problems.

System Action: The DMAP Gateway will abort the current request transaction.

Administrative Action: If this is frequent then determine if the HDM has crashed or whether the network is having problems. If neither of these is the cause then there is probably a bug in the HDM or DMAP Gateway that should be reported as a PTR to HPSS.

DMG0016 Aborting request by user request, procedure %s.

Source Files Generating Error Message: dmg_dm_name.c

Problem description: This is a DEBUG message and occurs during normal DMG operation when the second phase of the 2-phase protocol between the HDM and the DMG calls for an abort. This will occur when a DFS operation starts up but fails before it can complete. In this case the HDM will have already started processing the request but not yet committed it and then DFS fails to finsih the request. This only occurs during name space activity. This message occurs rarely during normal operations unless the file system (aggregate) is full.

System Action: None

Administrative Action: None

DMG0017 Error socket communication failure, procedure %s.

Source Files Generating Error Message: dmg_dm_name.c

Problem description: This is a REQUEST log message. It occurs when there is a network communication problem between the HDM and DMG or if the HDM crashes. After this message is posted the DMG closes down the socket and continues normal processing.

System Action: DMAP Gateway requests currently active on this socket will be aborted.

Administrative Action: Determine if the HDM shutdown/crashed or whether the network is having problems.

DMG0018 ACL's being sent but ACLArray is NULL, procedure (%s) - HDM software bug.

Source Files Generating Error Message: dmg_dm_name.c

Problem description: This is a REQUEST log message. It occurs if there is a problem between the HDM and DMG passing ACL information. This message will only occur because of coding errors (bugs).

System Action: Current request will fail.

Administrative Action: Report a PTR to HPSS. This is a software bug in the HDM or the XDR communication libraries.

DMG0019 2-Phase result call out of sequence, procedure (%s) - software bug(HDM).

Source Files Generating Error Message: dmg_dm_result.c

Problem description: This is a CRITICAL ALARM message and is posted when the HDM tries to finish it transaction that it did not start. This will only occur because of HDM bugs.

System Action: None, DMAP Gateway will continue processing requests, but HDM clients may see errors (see HDM documentation).

Administrative Action: This should never happen. Report a PTR to HPSS.

DMG0020 The open bitfile descriptor array is out of sync, procedure (%s) - DMAP Gateway software bug.

Source Files Generating Error Message: dmg_dm_data.c

Problem description: This is a CRITICAL ALARM since it means that the DMG has some internal problems. The DMG will shutdown shortly after this message is printing.

System Action: The DMAP Gateway will attempt a shutdown.

Administrative Action: Report a PTR to HPSS. Restart the DMAP Gateway if necessary.

DMG0021 %s just freed up descriptor %d.

Source Files Generating Error Message: dmg_dm_data.c

Problem description: This is a normal DEBUG message and will be logged during normal operation when a bitfile descriptor is closed.

System Action: None

Administrative Action: None

DMG0022 **Could not open bitfile, procedure (%s) - PROBABLE REASON: hpss_OpenBitfile failed because BFS is down.**

Source Files Generating Error Message: dmg_dm_data.c

Problem description: This is a DEBUG message. It will print when the CLAPI routine hpss_OpenBitfile returns an error and usually means that the BFS is down.

System Action: DFS read or write requests may fail.

Administrative Action: Determine if the BFS has crashed or whether the Client API is having trouble connecting with the BFS.

DMG0023 **%s get bitfile descriptor %d.**

Source Files Generating Error Message: dmg_dm_data.c

Problem description: This is a DEBUG message. It will print when a bitfile is opened.

System Action: None

Administrative Action: None

DMG0024 **%s going to sleep largest slot in use %d.**

Source Files Generating Error Message: dmg_dm_data.c

Problem description: This is a DEBUG message. It will print during normal operation when the thread that closes stale bitfiles goes to sleep.

System Action: None

Administrative Action: None

DMG0025 **%s closing bitfile descriptor %d.**

Source Files Generating Error Message: dmg_dm_data.c

Problem description: This is a DEBUG message. It will print during normal operation when a stale bitfile is about to be closed.

System Action: None

Administrative Action: None

DMG0026 **%s opened new bitfile descriptor %d.**

Source Files Generating Error Message: dmg_dm_data.c

Problem description: This is a DEBUG message. It will print during normal operation when a bitfile is opened and is added to the open file list.

System Action: None

Administrative Action: None

DMG0027 **%s created new file set %s, on file system %s**

Source Files Generating Error Message: dmg_admin.c

Problem description: This is an EVENT that is posted when a new fileset is created. It will only post if the fileset was created properly.

System Action: A new fileset has been configured into the system.

Administrative Action: None

DMG0028 **%s could not create file set (%s), on file system (%s) - PROBABLE REASON: Name Server, SFS, or HDM down.**

Source Files Generating Error Message: dmg_admin.c

Problem description: This is a MAJOR ALARM. It is posted when there is an error creating a fileset in the DMG. It usually prints out when the HDM is down. To recover from this problem the SSM should determine if the DMG knows about this fileset (if it does it should be deleted from the DMG). This fileset creation should then be retried after the HDM is restarted.

System Action: A fileset creation failed. The DMAP Gateway may have metadata for the fileset.

Administrative Action: Delete the fileset metadata from the DMAP Gateway through the SSM interface. Retry the request after the HDM is made available.

DMG0029 **%s deleted file set %s, on file system %s**

Source Files Generating Error Message: dmg_admin.c

Problem description: This is an EVENT that is posted when a fileset is deleted. Only empty filesets can be deleted.

System Action: Fileset deleted from DMAP Gateway and Name Server.

Administrative Action: None

DMG0030 **%s could not delete file set (%s), on file system (%s) - PROBABLE REASON: Name Server or SFS down, or fileset is not empty.**

Source Files Generating Error Message: dmg_admin.c

Problem description: Check the errno to determine the reason. The most likely reasons for not being able to delete a fileset are because the HDM is down, the Name Server is down, or the fileset is not yet empty. Only empty filesets can be deleted and destruction of DFS filesets does not guarantee that all HPSS fileset entries are deleted, in fact if a DFS fileset is deleted no action is taken to get rid of the HPSS entries for good reasons (rebuild and recovery).

System Action: All filset metadata is left in the DMAp Gateway and Name Server.

Administrative Action: If the fileset is to be deleted all objects must be deleted first from that fileset. If the fileset is empty then most likely the HDM can not be communicated with or is down.

DMG0031 **Could not open SFS file %s, from procedure %s - PROBABLE REASON: DCE/Encina / SFS down, file does not exist, or file name is incorrect (Use sfsadmin to rename file or alter DMAP Gateway specific configuration file name entry).**

Source Files Generating Error Message: dmg_admin.c dmg_dm_mount.c dmg_main.c

Problem description: Check the error to determine the reason. Most likely SFS is down, the SFS file does not exist or is named differently then what is in the configuration file. If the names differ then either the configuration file entry should be changed or the file should be renamed through sfsadmin, whichever is the most appropriate.

System Action: The DMAP Gateway will shutdown since it can not get at it's metadata.

Administrative Action: Check the error to determine the reason. Most likely SFS is down, the SFS file does not exist or is named differently then what is in the configuration file. If the names differ then either the configuration file entry should be changed or the file should be renamed through sfsadmin, whichever is the most appropriate.

DMG0032 **An Ofd has gone invalid in procedure %s, function called %s,retrycnt %d.**

Source Files Generating Error Message: dmg_admin.c dmg_dm_mount.c

Problem description: This can happen during normal DMG operation and is normally recovered. If this message is common then there is either a problem in SFS or the DMG has a software problem.

System Action: The DMAP Gateway will retry the SFS call but if it fails again the administrative command will fail.

Administrative Action: This should only occur infrequently. If this becomes a frequent problem then most likely SFS is down or having communication problems.

DMG0033 **Metadata error procedure %s, function %s - PROBABLE REASON: SFS down or software deadlock.**

Source Files Generating Error Message: dmg_admin.c dmg_dm_mount.c dmg_main.c

Problem description: We have an SFS interface error. Check the error to determine the problem. These errors should be infrequent and should recover when SFS comes back up.

System Action: The DMAP Gateway will continue processing but the administrative request that caused the error will fail.

Administrative Action: These messages usually indicate an SFS problem.

DMG0034 **%s called for socket %d.**

Source Files Generating Error Message: dmg_dm_socket.c

Problem description: This is a REQUEST message an occurs during normal DMG operation. No recovery is necessary for this message.

System Action: None

Administrative Action: None

DMG0035 **%s returned for socket %d, retval = %d, StopTCPProcessing = %d.**

Source Files Generating Error Message: dmg_dm_socket.c

Problem description: This is a REQUEST log message and is posted when the HDM drops a socket connection to the DMG through normal operations or when the HDM crashes.

System Action: None

Administrative Action: If there is a rash of these the HDM has shutdown or crashed.

DMG0036 **%s entered.**

Source Files Generating Error Message: dmg_dm_socket.c

Problem description: This is a DEBUG message that is posted when the HDM tries to connect to the DMG. No recovery is necessary for this message.

System Action: None

Administrative Action: None

DMG0037 %s call to routine (%s) failed with errno (%d).

Source Files Generating Error Message: dmg_dm_socket.c

Problem description: A call to the one of the system socket routines has failed (socket, listen, accept). This should never occur. If this message appears it is a CRITICAL ALARM and the DMG will immediately try to shutdown itself. This is probably caused by a memory corruption problem or having too many files open.

System Action: The DMAP Gateway will shutdown.

Administrative Action: Make sure the DMAP Gateway restarts. If this problem is frequent it usually means the DMAP gateway is having a sofware bug.

DMG0038 %s terminating (%s),returned %d.

Source Files Generating Error Message: dmg_main.c

Problem description: The DMG has terminated operation. This is an EVENT message that should never be displayed during normal operations.

System Action: The DMAP Gateway has shutdown.

Administrative Action: Restart the DMAP gateway if necessary. Report a PTR since this message should never occur.

DMG0039 Sigwait routine had unexpected failure, procedure %s, function %s - PROBABLE REASON: DMAP Gateway software bug.

Source Files Generating Error Message: dmg_main.c

Problem description: This is a CRITICAL ALARM message and is return if the system call sigwait returns an error. This is probably caused by a software bug.

System Action: The DMAP gateway will shutdown.

Administrative Action: Restart DMAP gateway. Report PTR to HPSS.

DMG0040 Sigwait returned a signal that we are not blocked for %s, sig = %d - PROBABLE REASON: software bug (DMAP Gateway).

Source Files Generating Error Message: dmg_main.c

Problem description: This is a CRITICAL ALARM message and is return if the system call sigwait returns an error. This is probably caused by a software bug.

System Action: The DMAP gateway will shutdown.

Administrative Action: Restart DMAP gateway. Report PTR to HPSS.

DMG0041 Dropped out the bottom of a forever loop in procedure %s - software bug.

Source Files Generating Error Message: dmg_main.c

Problem description: This is a CRITICAL ALARM because only a software oversight or bug can cause this message to print out.

System Action: The DMAP Gateway will shutdown.

Administrative Action: Restart the DMAP Gateway. Report a PTR to HPSS.

DMG0042 **%s error calling %s, process shutting down - PROBABLE REASON: Encina/HPSS initialization error.**

Source Files Generating Error Message: dmg_main.c dmg_ssm.c

Problem description: A call to initialize encina or to register the DMG with the CDS has failed. The DMG will shutdown. This is a CRITICAL ALARM and usually means that CDS or Encina/SFS is having problems, or the path being registered with the CDS is not valid.

System Action: The DMAP Gateway will shutdown.

Administrative Action: Check server configurations. If configuration appears OK then CDS or SFS is having problems that must be resolved.

DMG0043 **%s is up and running.**

Source Files Generating Error Message: dmg_main.c

Problem description: This is an EVENT that is posted after the DMG has initialized and is ready to process requests. It is a message that is normal and does not indicate any problem.

System Action: The DMAP Gateway will start to process requests.

Administrative Action: None

DMG0044 **%s has been called twice - PROBABLE REASON: SSM shutdown by impatient administrator, DMAP Gateway hung cleaning SFS or CDS. Halt server if it appears hung cleaning up SFS or CDS.**

Source Files Generating Error Message: dmg_main.c

Problem description: An administration call to shutdown the DMG has been made when the shutdown is already in progress. This is a MAJOR ALARM and will print if an administrator is impatient or the DMG is hung trying to shutdown.

System Action: The DMAP Gateway may be hung trying to shutdown.

Administrative Action: If it appears the DMG is hung simply HALT the server to get it the rest of the way down. If this is a frequent problem then the DMG is most likely leaving resources about that take a long time to clean.

DMG0045 **%s is shutting the system down SLOWLY - DMAP Gateway will attempt to cleanup CDS and SFS entries.**

Source Files Generating Error Message: dmg_main.c

Problem description: This is an EVENT message and is posted before the DMG attempts a clean shutdown.

System Action: The DMAP Gateway will shutdown after cleaning up resources.

Administrative Action: None

DMG0046 **%s is shutting the system down QUICKLY - DMAP Gateway will NOT clean up SFS or CDS entries.**

Source Files Generating Error Message: dmg_main.c

Problem description: This is an EVENT message and is posted before the DMG attempts a fast shutdown which may leave OFD's open and CDS entries intact.

System Action: The DMAP Gateway will shutdown and leave some resources behind which should clean up at the next restart.

Administrative Action: None

DMG0047 **%s having problem unregistering service %s - No administrative action necessary, but CDS entries for server may still exist.**

Source Files Generating Error Message: dmg_main.c

Problem description: An call to unregister services with the CDS has failed.

System Action: The DMAP Gateway will not clean up endpoint maps in CDS.

Administrative Action: No administrative operations are necessary with the DMG but the CDS may be having problems.

DMG0048 **%s having problem calling %s - HDM may be down.**

Source Files Generating Error Message: dmg_admin.c dmg_main.c

Problem description: These messages are posted during attempts by the DMG to connect to the HDM. Usually the HDM is down or the network is having problems. These will appear if REQUEST tracing is on.

System Action: Client API requests will fail for mirrored filesets.

Administrative Action: Determine whether the HDM is down.

DMG0049 **%s could not malloc space - software problem. Memory growth or memory overwrite problem.**

Source Files Generating Error Message: dmg_admin.c dmg_dm_name.c dmg_main.c dmg_ssm.c

Problem description: This is a CRITICAL ALARM and usually means the DMG is having serious memory growth or memort corruption problems.

System Action: The DMAP Gateway will shutdown.

Administrative Action: Report a PTR to HPSS. The DMAP Gateway is either growing or corrupting itself.

DMG0050 **Bad input parameter, procedure %s - PROBABLE REASON: SSM interface error (invalid parameters passed).**

Source Files Generating Error Message: dmg_amdin.c

Problem description: This is a REQUEST log error and is posted because the administrative client (SSM) has issued an illegal call with invalid parameters.

System Action: SSM requests will fail.

Administrative Action: Changes to the SSM are probably necessary. Report a PTR to HPSS.

DMG0051 **File set list entry built,file set name = (%s).**

Source Files Generating Error Message: dmg_admin.c dmg_main.c

Problem description: This is a DEBUG message that is posted when a new fileset is created.

System Action: None

Administrative Action: None

DMG0052 File set name (%s), just got mounted.

Source Files Generating Error Message: dmg_dm_mount.c

Problem description: This is a DEBUG message that gets posted when a fileset is mounted and is now capable of being accessed by clients of the DMG.

System Action: None

Administrative Action: None

DMG0053 File set name (%s), just got unmounted.

Source Files Generating Error Message: dmg_dm_mount.c

Problem description: This is a DEBUG message that gets posted when a fileset is unmounted and is not capable of being accessed by clients of the DMG.

System Action: None

Administrative Action: None

DMG0054 Reinitialization not yet implemented (%s) - possible future release feature.

Source Files Generating Error Message: dmg_main.c

Problem description: This is an EVENT message and is posted when an administrator attempts to reinitialize the DMG. Reinitialization is not implemented at this time.

System Action: The DMAP Gateway will not reinitialize.

Administrative Action: None

DMG0055 %s in inconsistent state %s - software error (DMAP Gateway).

Source Files Generating Error Message: dmg_ssm.c

Problem description: The SSM notification portion of the DMG is in an inconsistent state.

System Action: The DMAP Gateway will shutdown.

Administrative Action: This is a software bug and should be debug and fixed. Report a PTR.

DMG0056 RPC Error attempting to reconnect %s - PROBABLE REASON: SSM is down.

Source Files Generating Error Message: dmg_ssm.c

Problem description: This is a DEBUG message that is posted when an SSM reconnect is attempted and fails.

System Action: The DMAP Gateway will retry connecting to the SSM.

Administrative Action: Determine if the SSM is down or has stopped receiving messages from the DMAP gateway.

DMG0057 RPC Error bad connection in function %s - PROBABLE REASON: SSM is down.

Source Files Generating Error Message: dmg_ssm.c

Problem description: This is a DEBUG message that is posted when an SSM reconnect is attempted and fails.

System Action: The DMAP Gateway will retry connecting to the SSM.

Administrative Action: Determine if the SSM is down or has stopped receiving messages from the DMAP gateway.

DMG0058 Could not get host name from func (%s), hostname (%s) - PROBABLE REASON: hostname does not exist or network problem.

Source Files Generating Error Message: dmg_admin.c dmg_main.c

Problem description: This is a MAJOR ALARM. Either the host does not exist or the network is down. The configuration of the fileset may be wrong and point to an invalid host.

System Action: Communication between the DMAP Gateway and an HDM will fail.

Administrative Action: Check configuration of the fileset to determine if there is an error in the hostname entry.

DMG0059 File Set (%s) being managed on host (%s) tcpport (%d).

Source Files Generating Error Message: dmg_main.c

Problem description: This is a TRACE message that is posted during connections to HDM's after the gethostbyname_r call is made sucessfully.

System Action: None.

Administrative Action: None.

DMG0060 (%s) in function (%s) returned (%d)

Source Files Generating Error Message: dmg_main.c

Problem description: This is a CRITICAL ALARM message because a user authentication call has returned an unexpected or error believed impossible.

System Action: Unpredictable, but DMAP Gateway is in a weird state and may do anything.

Administrative Action: The DMAP Gateway probably has a software bug. Reoprt a PTR to HPSS.

DMG0061 Error %d returned from hpss_InitServer. Calling exit - PROBABLE REASON: Generic Configuration is wrong.

Source Files Generating Error Message: dmg_main.c

Problem description: The DMAP gateway could not initialize.

System Action: DMAP Gateway will not come up.

Administrative Action: Most likely the DMAP Gateway configuration is wrong. More unlikely CDS or SFS may not be running properly.

DMG0062 (%s) could not set COS for file size (0x%08x.%08x) - hpss_SetCOSByHints failed - PROBABLE REASON: overwriting a file which already has data on disk. This can happen during normal HDM migration of data into HPSS.

Source Files Generating Error Message: dmg_dm_data.c

Problem description: The BFS can not change the COS or the storage segment size of a file.

System Action: The DMAP Gateway will continue to write the file into the current COS with the original size.

Administrative Action: This will happen when DFS clients overwrite files with new data. It is usually never a problem.

DMG0070 **Error %d adding the new fileset to the socket list - PROBABLE REASON: memory growth problem or fileset inconsistency.**

Source Files Generating Error Message: dmg_admin.c

Problem description: This is a CRITICAL ALARM and usually means a software bug in the socket connection code for filesets.

System Action: Communication between the HDM and DMAP gateway will fail. Thjis may show up as Client API or SSM failures.

Administrative Action: Report a PTR to HPSS.

DMG0071 **Fileset ID %d is already in the socket list. It can't be added again - PROBABLE REASON: software bug (DMAP Gateway).**

Source Files Generating Error Message: dmg_hp_socket.c

Problem description: This is a CRITICAL ALARM message. The internal state of the DMG is inconsistent.

System Action: DMAP Gateway will crash or shutdown.

Administrative Action: Report a PTR to HPSS.

DMG0072 **GetFilesetAttrs to HDM host (%s) port (%d) failed with error (%d) - Either fileset ID is wrong, FileSystem ID is wrong, HDM down, or HDM does not manage fileset (Check HDM filesys.dat file).**

Source Files Generating Error Message: dmg_admin.c

Problem description: This is a MAJOR ALARM. The DMG will continue normal operation but communication or configuration with the HDM is incorrect.

System Action: Fileset creation or attribute retrieval will fail.

Administrative Action: Check to see if HDM is up. If HDM is up then most likely something was entered incorrectly into the SSM screen during fileset creation.

DMG0073 **Attempt to connect to HDM host (%s) port (%d) failed with error (%d) - HDM down or network failure.**

Source Files Generating Error Message: dmg_admin.c

Problem description: The DMAP gateway could not communicate with the HDM.

System Action: The DMAP Gateway will retry the request and if failures occur an error will be returned through the Client API or the SSM.

Administrative Action: The HDM is probably down.

DMG0074 **Attempt to get socket for HDM host (%s) port (%d) failed with error %d - PROBABLE REASONS: no HDM running on port, server memory corruption, or file descriptors being left open.**

Source Files Generating Error Message: dmg_admin.c

Problem description: A call to the system call socket has failed. Ths is a CRITICAL ALARM.

System Action: The DMAP Gateway will shutdown.

Administrative Action: Report a PTR to HPSS. The socket system call should never fail.

DMG0075 **Hostname for HDM is %d bytes and can't be more than %d bytes - HDM sent invalid parameters.**

Source Files Generating Error Message: dmg_admin.c

Problem description: This is a problem with the HDM sending invalid information. It is a WARNING ALARM and should be corrected in the HDM.

System Action: DFS request may fail.

Administrative Action: The HDM has a software bug which should be reported to HPSS.

DMG0076 **Could not init the %s mutex from %s - PROBABLE REASON: memory growth or curruption caused by software bug.**

Source Files Generating Error Message: dmg_hp_socket.c

Problem description: This is a CRITICAL ALARM. The server is probably corrupted by a software bug.

System Action: The DMAP Gateway will shutdown or crash.

Administrative Action: Report a PTR to HPSS. Please include any core.

DMG0077 **The ObjectType is not equivalent to the type in the HPSSMode - HDM is sending bad parameters.**

Source Files Generating Error Message: dmg_hp_name.c

Problem description: This is a MINOR ALARM caused by the HDM sending us invalid parameters.

System Action: DFS request may fail.

Administrative Action: Report a PTR to HPSS.

DMG0079 **Output pointer, DMAPSecServerUUID, is NULL in (%s) - PROBABLE REASON: SSM passed incorrect parameters.**

Source Files Generating Error Message: dmg_hp_name.c

Problem description: This is a MINOR ALARM. Most likely the SSDM passed some invalid parameters.

System Action: DFS requests will fail.

Administrative Action: SSM passed bad parameters. The SSM code should be fixed. Report a PTR to HPSS.

DMG0080 **Output pointer, ReturnAttrs, is NULL in (%s) - SSM or Client API passed invalid parameters during dmg_hp_lookup or dmg_hp_setattrs calls.**

Source Files Generating Error Message: dmg_hp_name.c

Problem description: This is a MINOR ALARM and is caused by invalid parameters being passed.

System Action: Client API requests will fail.

Administrative Action: This is probably caused by a Client API bug. Please report PTR to HPSS.

DMG0081 **The fileset to get a socket for has no SocketList. Returned (%d) - PROBABLE REASON: software bug (DMAP Gateway).**

Source Files Generating Error Message: dmg_hp_socket.c

Problem description: This is a CRITICAL ALARM. The fileset structures were not initialized correctly and this is a software bug in the DMG.

System Action: The DMAP Gateway will shutdown or crash.

Administrative Action: If the problem persists then there is a software bug that should be reported to HPSS as a PTR.

DMG0082 **No memory available to make a socket entry. Returned %d to caller - memory corruption or memory growth problem.**

Source Files Generating Error Message: dmg_hp_socket.c

Problem description: Could not malloc space for a socket entry structure.

System Action: The DMAP Gateway will shutdown or crash.

Administrative Action: Report this as a PTR to HPSS.

DMG0083 **The socket descriptor to be released was not found in it's list - software bug (DMAP Gateway).**

Source Files Generating Error Message: dmg_hp_socket.c

Problem description: This is a CRITICAL ALARM. Internal DMG structures have been corrupted or there is just a software bug.

System Action: The DMAP gateway will shutdown or crash.

Administrative Action: Report the problem as a PTR to HPSS.

DMG0084 **No memory was available to build the fileset socket list - memory growth or corruption error.**

Source Files Generating Error Message: dmg_hp_socket.c

Problem description: This is a CRITICAL ALARM. Could not malloc memory. Software problem because of memory growth or memory corruption.

System Action: DMAP Gateway will shutdown or crash.

Administrative Action: Report a PTR to HPSS. Please determine if there was any memory growth.

DMG0085 **TRPC error %d returned from call to %s - PROBABLE REASON: HDM went down.**

Source Files Generating Error Message: dmg_hp_data.c, dmg_hp_name.c

Problem description: The DMAP Gateway errored out while issuing a call to the HDM.

System Action: An SSM or a CFlient API request will fail.

Administrative Action: Determine whether the HDM shutdown/crashed or there was a network communication problem. Nothing can be done in the DMAP gateway to fix the problem.

DMG0086 Call to gethostbyname_r for host (%s) failed with error (%d) - PROBABLE REASON: host does not exist or network problem.

Source Files Generating Error Message: dmg_admin.c

Problem description: This is a MAJOR ALARM. We could not gethostbyname_r.

System Action: Communication between the HDM and DMAP Gateway is failing. All requests will fail.

Administrative Action: The fileset configuration in the DMAP gateway may be wrong. The hostname entry may be invalid.

DMG0087 There is no connection context for this user - PROBABLE REASON: Network problems caused SSM or Client API connection timeout.

Source Files Generating Error Message: dmg_hp_SelectUsercreds.c

Problem description: The connection handle passed to the DMAP gateway is invalid or does not exist.

System Action: The call to the DMAP gateway will fail.

Administrative Action: This is an EVENT. A client used a bad connection handle which may happen because of network problems or connection timeouts from long inactivity. If the problem persists then there is probably a software bug somewhere in HPSS.

DMG0088 Received error %d from hpss_EnterConnection in SelectUserCreds - connection timed out and was shutdown.

Source Files Generating Error Message: dmg_hp_SelectUsercreds.c

Problem description: The connection handle passed to the DMAP gateway is invalid or does not exist.

System Action: The call to the DMAP gateway will fail.

Administrative Action: This is an EVENT. A client used a bad connection handle which may happen because of network problems or connection timeouts from long inactivity. If the problem persists then there is probably a software bug somewhere in HPSS.

DMG0089 The DFS token exceeds the maximum number of permitted bytes - HDM problem software bug.

Source Files Generating Error Message: dmg_hp_data.c

Problem description: This is a MINOR ALARM. The HDM is sending the DMG invalid parameters and the HDM software should be fixed.

System Action: DFS request will fail.

Administrative Action: This is a bug in the HDM that should be reported.

DMG0090 HPSS_ENOTREADY error returned from (%s) - DMAP Gateway not yet ready to process requests.

Source Files Generating Error Message: dmg_hp_data.c, dmg_hp_name.c

Problem description: The DMAP Gateway is not yet ready to process Client API requests.

System Action: Client API will retry request or fail.

Administrative Action: None.

DMG0091 **Error %d returned by SelectUserCreds in function %s.**

Source Files Generating Error Message: dmg_hp_data.c, dmg_hp_name.c

Problem description: This is a TRACE message. The client could not be authenticated for DMG calls.

System Action: The call will fail.

Administrative Action: None. Most likely a DMAP Gateway client was unauthorized for a request that was desired. If this persists there may be an ACL problem in the DMAP Gateway security ACL's. Edit these ACL's to allow client access.

DMG0092 **The new DMAPI handle exceeds the maximum number of permitted bytes - HDM software bug.**

Source Files Generating Error Message: dmg_hp_name.c

Problem description: This is a MINOR ALARM and signifies an HDM parameter problem.

System Action: The request from the HDM will fail.

Administrative Action: This is an HDM software bug that used be posted as an HPSS PTR.

DMG0093 **The old DMAPI handle exceeds the maximum number of permitted bytes - HDM software bug.**

Source Files Generating Error Message: dmg_hp_name.c

Problem description: This is a MINOR ALARM and signifies an HDM parameter problem.

System Action: The request from the HDM will fail.

Administrative Action: This is an HDM software bug that used be posted as an HPSS PTR.

DMG0094 **Path name for old name has %d characters. That's too many - Pathname can not exceed 256 bytes.**

Source Files Generating Error Message: dmg_hp_name.c

Problem description: This is a MINOR ALARM and signifies an HDM parameter problem.

System Action: The request from the HDM will fail.

Administrative Action: This is an HDM software bug that used be posted as an HPSS PTR.

DMG0095 **Path name for new name has %d characters. That's too many.**

Source Files Generating Error Message: dmg_hp_name.c

Problem description: This is a MINOR ALARM and signifies an HDM parameter problem.

System Action: The DFS request will fail.

Administrative Action: The HDM has a software bug. Report a PTR for HPSS.

DMG0096 **Symlink contents has %d characters. That exceeds the maximum allowed.**

Source Files Generating Error Message: dmg_hp_name.c

Problem description: This is a MINOR ALARM and signifies an HDM parameter problem.

System Action: The DFS request will fail.

Administrative Action: The HDM has a software bug. Report a PTR for HPSS.

DMG0097 Received a DMAPI handle that exceeds the maximum permitted length.

Source Files Generating Error Message: dmg_hp_data.c, dmg_hp_name.c

Problem description: This is a MINOR ALARM and signifies an HDM parameter problem.

System Action: The DFS request will fail.

Administrative Action: The HDM has a software bug. Report a PTR for HPSS.

DMG0098 Got an error when (%s) was called in procedure %s - PROBABLE REASONS: either socket call failed or unable to connect to HDM.

Source Files Generating Error Message: dmg_hp_socket.c

Problem description: This is a CRITICAL ALARM which is posted when the DMG tries to connect to the HDM and fails.

System Action: Client API or SSM calls may fail.

Administrative Action: If the failure is because of a call to socket then the DMG shutsdown since things are really screwed up. If the error is posted for connect then the server continues and this is usually caused by the HDM being down.

DMG0099 Pathname has %d characters. That exceeds the maximum allowed.

Source Files Generating Error Message: dmg_hp_name.c

Problem description: This is a MINOR ALARM and signifies an HDM parameter problem.

System Action: DFS or Client API request will fail.

Administrative Action: This is an HDM software bug which should be posted as an HPSS PTR.

DMG0100 Entering procedure %s request from UID %d.

Source Files Generating Error Message: dmg_hp_data.c, dmg_hp_name.c

Problem description: This is a REQUEST log message and is called when the back door DMG calls are being made from the CLAPI, through the DMG, and to the HDM. There is no problem.

System Action: None

Administrative Action: None

Chapter 8

HDM Error Messages (HDM Series)

HDM0002 Unexpected problem with library routine (%s)

Source Files Generating Error Message: various
Problem Description: There was an error in the named library routine. This is an unlikely error.
System Action: Depends on the circumstances.
Administrator Action: Look for other messages in the log.

HDM0003 Insufficient memory

Source Files Generating Error Message: various
Problem Description: The program ran out of memory.
System Action: Depends on circumstances.
Administrator Action: Enlarge the swap and files. Buy more memory.

HDM0004 Entering routine %s

Source Files Generating Error Message: various
Problem Description: This is a diagnostic routine that reports when the named routine was entered.
System Action: The routine will be executed.
Administrator Action: None.

HDM0005 Exiting routine %s

Source Files Generating Error Message: various
Problem Description: This is a diagnostic routine that reports when the named routine was exited.
System Action: The routine has finished executing.
Administrator Action: None.

HDM0006 Unable to create shared memory

Source Files Generating Error Message: hdm_Shmem.c
Problem Description: The main process cannot create shared memory.
System Action: The hdm will not start.
Administrator Action: Verify that the program is running as root. Try using smaller values for the configuration parameters in config.dat.

HDM0007 Unable to attach to shared memory

Source Files Generating Error Message: hdm_MigMain.c, hdm_PurgeMain.c, hdm_Shmem.c

Problem Description: An hdm subprocess cannot attach to shared memory set up by the main process. This should never happen.

System Action: The subprocess will not be able to run, and that will cause the hdm to shut down too.

Administrator Action: Call support.

HDM0008 Unable to delete shared memory

Source Files Generating Error Message: hdm_Shmem.c

Problem Description: The main process cannot delete a previously existing shared memory segment. This should never happen.

System Action: The hdm will not start.

Administrator Action: Delete the shared memory section using ipcrm.

HDM0009 Have created shared mem, id=%d, size=%d

Source Files Generating Error Message: hdm_Shmem.c

Problem Description: This is an informative message showing the shared memory segment id, and the number of bytes of memory in use.

System Action: None.

Administrator Action: None.

HDM0010 Cannot open or truncate log file %s

Source Files Generating Error Message: hdm_Log.c

Problem Description: The named recovery log cannot be opened. There will be other information in the message explaining what the problem is.

System Action: The hdm will not execute if the log files do not exist or cannot be opened.

Administrator Action: Verify that the log files exist, are owned by root, etc. Check that the log file directory is specified correctly in config.dat.

HDM0011 Cannot create semaphore

Source Files Generating Error Message: hdm_Sem.c

Problem Description: The hdm cannot create create the semaphores needed to synchronize the processes.

System Action: The hdm will not start.

Administrator Action: Verify that the hdm is running as root.

HDM0012 Cannot set semaphore value

Source Files Generating Error Message: hdm_MainProg.c, hdm_Sem.c

Problem Description: The value of a semaphore cannot be initialized. This should never happen.

System Action: The hdm will not start.

Administrator Action: Call support.

HDM0013 Cannot delete semaphore

Source Files Generating Error Message: hdm_Sem.c

Problem Description: A previously existing semaphore set cannot be deleted. This is a diagnostic message that may occur at startup time, especially if the hdm has not been run before.

System Action: None.

Administrator Action: None.

HDM0014 Have created semaphore, id=%d

Source Files Generating Error Message: hdm_Sem.c

Problem Description: This is a diagnostic message showing the id of the semaphore that was created.

System Action: None.

Administrator Action: None.

HDM0015 Cannot signal semaphore

Source Files Generating Error Message: None.

Problem Description: This message is not currently used

System Action: None.

Administrator Action: None.

HDM0016 Cannot wait on semaphore

Source Files Generating Error Message: None.

Problem Description: This message is not currently used

System Action: None.

Administrator Action: None.

HDM0017 Cannot fork process

Source Files Generating Error Message: various

Problem Description: A process is unable to fork a subprocess. This should almost never happen.

System Action: Depends on circumstances. If the main process cannot fork subprocesses, it will shut the hdm down. If a file system cannot be mounted locally, one or more file operations will be aborted but the hdm will stay up. If a file system needs to be migrated, the migration will not take place.

Administrator Action: Restart the hdm to free up resources.

HDM0018 Shared memory key is %d, should be %d

Source Files Generating Error Message: various

Problem Description: An hdm subprocess has found the wrong key value stored in shared memory at startup time. This is most likely to occur if the process is not started by the hdm main process.

System Action: The process will not start.

Administrator Action: Do not start processes manually. If the problem persists, call support.

HDM0019 Shared memory process id doesn't match actual process id

Source Files Generating Error Message: hdm_DstProg.c, hdm_EvtProg.c, hdm_HanProg.c

Problem Description: An hdm subprocess has found the wrong process id stored in shared memory at startup time. This is most likely to occur if the process is not started by the hdm main process.

System Action: The process will not start.

Administrator Action: Do not start processes manually. If the problem persists, call support.

HDM0020 Shared memory index is %d, should be %d

Source Files Generating Error Message: hdm_EvtProg.c, hdm_HanProg.c

Problem Description: An hdm subprocess has found the wrong process index number stored in shared memory at startup time. This is most likely to occur if the process is not started by the hdm main process.

System Action: The process will not start.

Administrator Action: Do not start processes manually. If the problem persists, call support.

HDM0021 Cannot initialize dmapi

Source Files Generating Error Message: various

Problem Description: A subprocess cannot initialize the DMAPI subsystem.

System Action: The process will not start.

Administrator Action: Make sure the hdm is started as root. Make sure the DMAPI kernel extensions have been installed.

HDM0022 Cannot create dmapi session

Source Files Generating Error Message: hdm_Support.c, hdm_TcpProg.c

Problem Description: A process cannot create a DMAPI session. This should never happen.

System Action: The process will not start.

Administrator Action: Call support.

HDM0023 Cannot register to receive events on file system %d

Source Files Generating Error Message: hdm_EvtProg.c, hdm_MainProg.c

Problem Description: A process cannot register to receive DMAPI events. This should never happen.

System Action: The process will not start.

Administrator Action: Call support.

HDM0024 Initialized dmapi version '%s'

Source Files Generating Error Message: various

Problem Description: This is an informative message indicating a process has initialized the DMAPI subsystem successfully.

System Action: The process will continue to run.

Administrator Action: None.

HDM0025 Unexpected event %d

Source Files Generating Error Message: various

Problem Description: A process has received an unexpected DMAPI event. This should never happen and indicates an error in the hdm code.

System Action: The event will be ignored.

Administrator Action: Call support.

HDM0026 Cannot signal event handler

Source Files Generating Error Message: various

Problem Description: The text of this message is misleading and should be fixed. The message actually occurs when receives a signal that it has not registered to receive. This should never happen.

System Action: The signal is ignored.

Administrator Action: None.

HDM0027 Cannot read or write log file %s

Source Files Generating Error Message: hdm_Log.c

Problem Description: The hdm cannot read or write the event recovery files.

System Action: If this occurs during startup, the hdm will not be able to recover events. If it happens during operation, log records will not be written to the file. In either case, DFS and HPSS may get out of sync.

Administrator Action: Store the log files on mirrored file systems.

HDM0028 Event log %s is full

Source Files Generating Error Message: hdm_Log.c

Problem Description: The named main event recovery log is full.

System Action: The system will wait and try again until the log becomes free. In the mean time, file system operations will be delayed.

Administrator Action: Enlarge the MainLogSize parameter in config.dat and restart the hdm.

HDM0029 Shutting down with exit code %d

Source Files Generating Error Message: various

Problem Description: This is an informative message generated when a process is about to shut down.

System Action: The process will shut down.

Administrator Action: If the shutdown is unexpected, look for other messages in the log to see what caused the process to shut down.

HDM0030 Unknown option type %d

Source Files Generating Error Message: various

Problem Description: This occurs if when the software determines that a file system is using neither the archive or mirrored option. This problem should never occur and indicates an internal error in the software.

System Action: A file system operation will be aborted.

Administrator Action: Call support.

HDM0031 Problem getting event

Source Files Generating Error Message: hdm_EvtProg.c, hdm_MainProg.c

Problem Description: There was a problem getting a DMAPI event.

System Action: The system will try again to get events. This problem should never occur.

Administrator Action: None.

HDM0032 Problem getting end user auth info

Source Files Generating Error Message: hdm_EvtProg.c, hdm_EvtRecover.c

Problem Description: The hdm could not get authorization information about the end user.

System Action: The end user's operation will be aborted.

Administrator Action: None.

HDM0033 ASCII handle is not a valid hex number

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: The text of this message is misleading. In fact, the error occurs if a user tries to create a file from the HPSS side, and the HPSS supplies a bad DMAPI handle for the parent directory. This probably indicates that there is some problem with HPSS metadata.

System Action: The create will fail.

Administrator Action: Use a command line utilities to fix the DMAPI handle of the parent directory.

HDM0034 Evt state entry (%d) not in table

Source Files Generating Error Message: hdm_EvtProg.c

Problem Description: An event dispatcher has been given an invalid process index on the command line. This probably happened because the event dispatcher wasn't started by the hdm.

System Action: The process will shut down.

Administrator Action: Do not start the event dispatcher manually. If the problem persists, call support.

HDM0035 Syncpost without pre event; pairing = %d

Source Files Generating Error Message: hdm_Evt.c

Problem Description: The event handler received an unexpected syncpost event. This can occur when the system starts up and begins to recover outstanding events. This is normal and can be ignored. It should not occur at other times and probably indicates a coding error in the hdm.

System Action: The syncpost event will be aborted. In some cases, an end user's operation may never be completed.

Administrator Action: If the event happens frequently at times other than startup, call support.

HDM0036 Ran out of event buffers

Source Files Generating Error Message: various

Problem Description: The event queue is too small to hold an incoming event.

System Action: The event will be dropped and the end user's operation will abort with EBUSY.

Administrator Action: Enlarge the EventQueueSize parameter in config.dat.

HDM0037 Invalid handler type

Source Files Generating Error Message: hdm_HanProg.c

Problem Description: An event handler has been told to handle an invalid type of event. This should never occur and indicates an coding error in the hdm.

System Action: The hdm will not start.

Administrator Action: Call support.

HDM0038 Han state entry (%d) not in table

Source Files Generating Error Message: hdm_HanProg.c

Problem Description: An event handler has been given an invalid process index on the command line. This probably happened because the event handler wasn't started by the hdm.

System Action: The process will shut down.

Administrator Action: Do not start the event handler manually. If the problem persists, call support.

HDM0039 Cannot connect to gateway %s on port %d

Source Files Generating Error Message: hdm_MigSocket.c, hdm_Support.c

Problem Description: A process cannot connect to the named gateway on the specified port.

System Action: Depends on circumstances. In some cases, the hdm may retry the operation until the gateway is started. In other cases, an operation will be aborted.

Administrator Action: Verify that the host name and port are correct in filesys.dat. Restart the gateway if necessary.

HDM0040 Host %s not found

Source Files Generating Error Message: hdm_Support.c

Problem Description: The named host does not exist.

System Action: Depends on circumstances. In general, operations will be aborted.

Administrator Action: Verify that the host name is correct in filesys.dat. Verify the the domain name server is running.

HDM0041 Permchange event is trying to set both mode and ACL

Source Files Generating Error Message: hdm_Epi.c

Problem Description: An permissions change event was received with inconsistent parameters. This should never occur and probably indicates a failure in the kernel extensions.

System Action: The event will be aborted.

Administrator Action: Call support.

HDM0042 Cannot get session information

Source Files Generating Error Message: hdm_Support.c

Problem Description: A process is unable to enumerate the sessions in order to find which outstanding session to attach to. This error should never happen.

System Action: Depends on circumstances. If this happens during startup, The hdm will not start.

Administrator Action: Call support.

HDM0043 Unexpected problem with DMAPI routine %s

Source Files Generating Error Message: various

Problem Description: There was an unexpected problem executing the named DMAPI routine.

System Action: Depends on circumstances. Generally system performance will degrade.

Administrator Action: If the problem happens too often and seems to be affecting operations, call support.

HDM0044 Syncpost delivered to wrong process

Source Files Generating Error Message: hdm_HanProg.c

Problem Description: A syncpost event was delivered to the wrong event handler process. This should never happen and indicates a coding problem in the hdm.

System Action: The event will be dropped.

Administrator Action: Call support.

HDM0045 Resizing a DMAPI buffer. New size = %d

Source Files Generating Error Message: various

Problem Description: This is a diagnostic message indicating that a buffer was resized. This message should almost never be seen. If it happens often, it suggests a coding problem in the hdm that will eventually exhaust memory.

System Action: The buffer will be resized and the hdm will continue.

Administrator Action: If it happens often, call support.

HDM0046 %s asked for buffer of size %d since %d is too big

Source Files Generating Error Message: various

Problem Description: There was an internal error in resizing a buffer need by the named routine. This error should never happen and indicates an error in the kernel extensions.

System Action: Depends on circumstances. The hdm may shut down.

Administrator Action: Call support.

HDM0047 Unknown fileset (%d,%d)

Source Files Generating Error Message: various

Problem Description: The specified fileset is not in the hdm's fileset tables (filesys.dat). If the operator is trying to create a fileset, he may have entered the fileset id incorrectly. This may also indicate inconsistent metadata in the HPSS.

System Action: Depends on circumstances. The fileset will remain unusable until the right fileset id is entered.

Administrator Action: Correct the problem.

HDM0048 File system not ready

Source Files Generating Error Message: hdm_Epi.c, hdm_Support.c

Problem Description: This usually means that a fileset is has not been completely specified.

System Action: Depends on circumstances. Typically, the end user will not be able to work with files until the problem is fixed.

Administrator Action: Make sure the fileset has been created on HPSS as well as DFS, and that the fileset has been entered correctly in filesys.dat.

HDM0049 Cannot set return-on-destroy value

Source Files Generating Error Message: hdm_Support.c

Problem Description: The hdm was unable to tell the kernel what information to return when a file is destroyed. This should never happen.

System Action: The hdm will not start.

Administrator Action: Call support.

HDM0050 The string %s is too long

Source Files Generating Error Message: various

Problem Description: The indicated string is too long to fit into the storage allocated by the hdm.

System Action: Depends on circumstances. If it happens during startup, The hdm will not start. This may occur because of an operator error (e.g., specifying a fileset name that is too long); or it may indicate an coding problem in the hdm.

Administrator Action: Use shorter names in config.dat and SSM screens.

HDM0051 Unknown event %d

Source Files Generating Error Message: hdm_HanProg.c

Problem Description: An unrecognized DMAPI event was received. This should never happen.

System Action: The event will be dropped.

Administrator Action: Call support.

HDM0052 Error opening configuration file %s

Source Files Generating Error Message: hdm_DFSMain.c, hdm_MainProg.c

Problem Description: A process could not open the named configuration file.

System Action: The process will not start.

Administrator Action: Make sure the file exists and is readable.

HDM0053 Mount event for file system %s

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is a diagnostic message indicating that a mount event was received for the named file system or aggregate.

System Action: The hdm will process the mount event.

Administrator Action: None.

HDM0054 Mounting file system %s

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is a diagnostic message indicating that named file system or aggregate is being mounted.

System Action: The file system is mounted.

Administrator Action: None.

HDM0055 File system %s is not being managed

Source Files Generating Error Message: various
Problem Description: The named file system or aggregate is not managed by the hdm.
System Action: Operations on this fileset will be aborted.
Administrator Action: Run the create_fsys utility; or edit filesys.dat and restart the hdm.

HDM0056 File system %s is already mounted

Source Files Generating Error Message: hdm_MainProg.c
Problem Description: A mount event was received for a file system that was already mounted.
System Action: The mount event is ignored. This message should not occur in practice.
Administrator Action: None.

HDM0057 Asked to use file system %s, but we think name is %s

Source Files Generating Error Message: hdm_adminPackage.c
Problem Description: An attempt was made to set the attributes of a fileset
System Action:
Administrator Action:

HDM0058 Gateway failed to mount file system %s

Source Files Generating Error Message: hdm_Support.c
Problem Description: The gateway could not mount the specified file system
System Action: Depends on circumstances. Most likely the hdm will abort a user's attempt to access a file.
Administrator Action: Look in the HPSS logs to find what happened and fix the problem.

HDM0059 Fileset %s refers to non-existent file system %d

Source Files Generating Error Message: None.
Problem Description: This error message is not currently being used.
System Action: None.
Administrator Action: None.

HDM0060 Option of parent directory and fileset must be the same

Source Files Generating Error Message: None.
Problem Description: This error message is not currently being used.
System Action: None.
Administrator Action: None.

HDM0061 Unexpected event in view of fileset option

Source Files Generating Error Message: hdm_Epi.c
Problem Description: The event handler received an inappropriate event for an archive or mirrored file system. This should never happen and indicates a problem in kernel extensions.
System Action: The event will be aborted.
Administrator Action: Call support.

HDM0062 Destroy w/o prior remove; object may not be destroyed

Source Files Generating Error Message: hdm_Epi.c

Problem Description: The event handler received a destroy event without having received a remove event first. Although this should not happen often, because of timing problems it will happen occasionally, especially when the hdm first starts. It is not normally a cause for concern.

System Action: In most cases, the object will be destroyed successfully.

Administrator Action: Look for other messages in the log to see if there is a problem.

HDM0063 Pre and syncpost events are not consistent

Source Files Generating Error Message: hdm_Epi.c

Problem Description: The pre and syncpost events were inconsistent. This problem should never occur and indicates a coding error in the hdm or a problem with the kernel extensions.

System Action: The syncpost event will be aborted, and the operation may not be handled correctly.

Administrator Action: Call support.

HDM0064 Removing last reference to file %s

Source Files Generating Error Message: None.

Problem Description: This error message is not currently being used.

System Action: None.

Administrator Action: None.

HDM0065 No return-on-destroy info; object not migrated

Source Files Generating Error Message: None.

Problem Description: This error message is not currently being used.

System Action: None.

Administrator Action: None.

HDM0066 Bad return-on-destroy length (%l) or name (%s)

Source Files Generating Error Message: hdm_Epi.c

Problem Description: There was an internal consistency problem reading the return on destroy value for a file.

System Action: The hdm will not be able to destroy the object on hpss.

Administrator Action: There will be an object left in the BFS that does not have a DFS counterpart. This object needs to be destroyed.

HDM0067 Wrong dmapi version string '%s', should be '%s'

Source Files Generating Error Message: various

Problem Description: The hdm has determined that it is executing with the wrong version of the kernel extensions.

System Action: The hdm will not start.

Administrator Action: Verify that the right set of kernel extensions is loaded on the system. If necessary, recompile the hdm using the appropriate DMAPI libraries.

HDM0068 Attempt to do cross-filesystem operation

Source Files Generating Error Message: hdm_Epi.c

Problem Description: An attempt was made to do a cross file system operation, such as creating a hard link on one file systgem for a file on another file system. This should never happen; the DFS system should have already prevented the operation.

System Action: The operation will be aborted.

Administrator Action: None.

HDM0069 Rename over existing object

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is a diagnostic message indicating that a file was renamed over an existing object. The existing object will be removed.

System Action: The rename operation will continue.

Administrator Action: None.

HDM0070 Problem converting handle plus name to handle

Source Files Generating Error Message: hdm_Epi.c

Problem Description: The hdm failed to find the DMAPI handle for an object given the object's name and the handle of the parent directory. This message should never occur.

System Action: An operation will be aborted.

Administrator Action: Call support.

HDM0071 Problem getting rights

Source Files Generating Error Message: various

Problem Description: The hdm had a problem getting exclusive rights to an object. This message should never occur and probably indicates a coding error.

System Action: An operation will be aborted.

Administrator Action: Call support.

HDM0072 Found destroy log record with wrong soid

Source Files Generating Error Message: hdm_Log.c

Problem Description: The hdm found an entry in the destroy log that contained an unexpected value for the bitfile id. This could happen if the bitfile id has changed out from under a file in an unexpected way. This message should never occur and indicates a coding error.

System Action: A remove or destroy operation will fail.

Administrator Action: Call support.

HDM0073 Problem responding to event

Source Files Generating Error Message: various

Problem Description: The hdm tried to respond to an event and failed. This message should never occur.

System Action: The event will remain outstanding until the kernel times it out. System performance will degrade serverely.

Administrator Action: Call support.

HDM0074 Problem releasing rights

Source Files Generating Error Message: various

Problem Description: The hdm could not release the exclusive rights it has to access an object. This message should never occur.

System Action: The object will remain locked.

Administrator Action: Call Support.

HDM0075 Problem setting dm attributes

Source Files Generating Error Message: various

Problem Description: The hdm could not set DMAPI attributes for an object.

System Action: Depends on circumstances. In many cases, the hdm will retry until it succeeds.

Administrator Action: None.

HDM0076 Problem getting dm attributes

Source Files Generating Error Message: various

Problem Description: The hdm could not get DMAPI attrributes for an object.

System Action: Depends on circumstances. The hdm may retry the operation until it succeeds or the operation is aborted.

Administrator Action: None.

HDM0077 Cannot get file, directory, or fileset attributes

Source Files Generating Error Message: hdm_Epi.c, hdm_hpPackage.c

Problem Description: The hdm could not get file, directory, or fileset attributes.

System Action: Depends on circumstances. The hdm may retry the operation until it succeeds or the operation is aborted.

Administrator Action: None.

HDM0078 Cannot get access control list

Source Files Generating Error Message: hdm_Epi.c

Problem Description: The hdm could not get the access control list for an object.

System Action: The user's attempt to change an objects mode bits or access control list will be aborted.

Administrator Action: None.

HDM0079 Cannot find session information

Source Files Generating Error Message: hdm_Support.c, hdm_TcpProg.c

Problem Description: A process tried to find what DMAPI sessions were started earlier. This message should never happen.

System Action: The process will not be able to take over previous sessions, and so will stop.

Administrator Action: Call support.

HDM0080 Starting new session

Source Files Generating Error Message: hdm_Support.c

Problem Description: This is an informative message that occurs the first time the hdm is started.

System Action: The hdm will process events for the new session.

Administrator Action: None.

HDM0081 Attaching to existing session %d

Source Files Generating Error Message: hdm_Support.c

Problem Description: This is an informative message that occurs whenever the hdm is restarted.

System Action: The hdm will try to recover events from the previous session before starting on new events.

Administrator Action: None.

HDM0082 There are %d other sessions for the session named %s

Source Files Generating Error Message: hdm_Support.c

Problem Description: This message occurs if the hdm determines that more than one session had been started earlier. This message should never occur.

System Action: The hdm will process events from one of the sessions. Events from other sessions will never get processed, so the performance of the system will degrade.

Administrator Action: If this occurs frequently, call support.

HDM0083 Session id for %s is %d

Source Files Generating Error Message: hdm_Migrate.c, hdm_Purge.c,hdm_Support.c

Problem Description: This is an informative message indicating the name of a DMAPI session and the session id.

System Action: The hdm will continue operations.

Administrator Action: None.

HDM0084 Cannot destroy session %d

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The TCP process could not destroy a session.

System Action: The hdm will leave a session open, which wastes resources but is OK otherwise.

Administrator Action: None.

HDM0085 File system %s has not yet been mounted

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This message occurs when the hdm starts if it finds a file system or aggregate that has not been exported.

System Action: The file system will not be available until it is exported.

Administrator Action: The system flunkistor must use the dfsexport command to make the file system available.

HDM0086 File system not registered

Source Files Generating Error Message: hdm_Epi.c, hdm_Support.c

Problem Description: The hdm could not find a file system in its tables. This message should never occur and probably indicates a coding error.

System Action: An operation will be aborted.

Administrator Action: Call support.

HDM0087 Starting processes for filesystem %d

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative message issued by the main program when it is about to start subprocesses for a specified file system. The file system id is given as part of the message.

System Action: The subprocesses will be started.

Administrator Action: None.

HDM0088 Handle[%d]: %s

Source Files Generating Error Message: hdm_Support.c

Problem Description: This is an informative message that reports the length and hexified value of a DMAPI handle. This message is typically disabled and should never be seen.

System Action: The hdm will continue operation.

Administrator Action: None.

HDM0089 Problem querying object rights

Source Files Generating Error Message: hdm_HanProg.c

Problem Description: The hdm could not determine what access rights were associated with an object. This message is typically disabled and should never be seen.

System Action: The hdm will continue operation.

Administrator Action: None.

HDM0090 Cannot get fileset info

Source Files Generating Error Message: hdm_Support.c

Problem Description: The hdm could not determine what filesets existed on an aggregate at startup time. This message should never happen.

System Action: The hdm will not start.

Administrator Action: Call Support.

HDM0091 Setting up fileset %s

Source Files Generating Error Message: hdm_Support.c

Problem Description: This is an informative message generated when the hdm is starting. There will be one such message for each fileset on the aggregate.

System Action: The fileset will be set up.

Administrator Action: None.

HDM0092 New DFS fileset %s found

Source Files Generating Error Message: hdm_Support.c

Problem Description: The hdm found a fileset on the aggregate that was not it its tables.

System Action: A new entry will be made in the hdm's tables. The fileset will be marked as needing information. A new version of filesys.dat will be written.

Administrator Action: Create a fileset on HPSS using the SSM screens.

HDM0093 Creating fileset %s

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informational message saying that the named fileset is being created.

System Action: The fileset will be entered in the hdm's tables. The fileset will be marked as needing information. A new version of filesys.dat will be written.

Administrator Action: Create a fileset on HPSS using the SSM screens.

HDM0094 Cannot get file system handle

Source Files Generating Error Message: hdm_Support.c

Problem Description: The hdm could not confirm that the file system id agreed with the value stored in the hdm's tables.

System Action: The hdm will not start.

Administrator Action: Edit filesys.dat to supply the right value for the file system id; then restart the hdm.

HDM0095 Cannot get file system id or fileset id

Source Files Generating Error Message: hdm_Epi.c, hdm_Support.c

Problem Description: The hdm could not find the file system of fileset id for an object. This message should never happen and indicates a monumental coding error.

System Action: An operation will fail.

Administrator Action: Call a system programmer.

HDM0096 Tried to create fileset on unknown file system %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: The hdm received an event asking for a fileset to be created on an unknown file system. This message should never appear.

System Action: The fileset will get created anyhow, but the hdm tables won't show it.

Administrator Action: Probably do nothing. If the hdm does not function correctly, edit filesys.dat to use the right information.

HDM0097 Cannot have two filesets with same fileset id (%d,%d)

Source Files Generating Error Message: hdm_Epi.c, hdm_MainProg.c

Problem Description: Two filesets were found with the same fileset id.

System Action: If this happens at startup, the hdm will not start. In this case, filesys.dat contains inconsistent data. If it happens when a fileset is being created, the hdm's tables will be left in an inconsistent state.

Administrator Action: Edit filesys.dat as a last resort.

HDM0098 Gateway %s, port %d, is not listed in gateways config file

Source Files Generating Error Message: various

Problem Description: The named gateway is not listed in gateways.dat.

System Action: Operations involving that gateway will fail.

Administrator Action: Check that the gateway is correctly named in both gateways.dat and filesys.dat In particular, make sure that the domain name is specified the same way in each file. Or make two entries in gateways.dat, one with a vanilla host name and one with a fully qualified domain name.

HDM0099 Fileset name is too long

Source Files Generating Error Message: hdm_Epi.c

Problem Description: An attempt was made to create a fileset or junction, and the fileset name was too long.

System Action: The fileset or junction will not be created.

Administrator Action: Use a shorter name.

HDM0100 Cannot access fileset until more info defined

Source Files Generating Error Message: hdm_Epi.c, hdm_MainProg.c, hdm_Support.c

Problem Description: An operation was attempted before a fileset was fully defined.

System Action: The operation will be aborted.

Administrator Action: Create the HPSS fileset using the appropriate SSM screen.

HDM0101 Fileset is down

Source Files Generating Error Message: hdm_Epi.c, hdm_IO.c, hdm_Support.c

Problem Description: And attempt was made to access a fileset before it was ready. This usually happens if the fileset hasn't been fully defined.

System Action: The access will be aborted.

Administrator Action: Create the HPSS fileset using the appropriate SSM screen.

HDM0102 Gateway failed to unmount file system %s

Source Files Generating Error Message: hdm_Support.c

Problem Description: The gateway could not unmount the file system.

System Action: The hdm will go through with the unmount as if nothing had happened, and the file system will effectively be unmounted.

Administrator Action: None.

HDM0103 Syntax error reading config file in line:\n %s

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The hdm's configuration file has a syntax in the given line.

System Action: The hdm will be shut down.

Administrator Action: Edit config.dat to fix the problem, then restart the hdm.

HDM0104 Too many file systems

Source Files Generating Error Message: hdm_MainProg.c, hdm_adminPackage.c

Problem Description: There are too many file systems for the hdm to keep track of.

System Action: If the hdm finds the problem at startup time, the hdm will not start. If the hdm finds the problem when a new file system is being created, the hdm will abort the operation.

Administrator Action: Edit config.dat to increase MaxFileSystems, then restart the hdm.

HDM0105 Too many filesets

Source Files Generating Error Message: hdm_Epi.c, hdm_MainProg.c, hdm_Support.c

Problem Description: There are too many filesets for the hdm to keep track of.

System Action: If the hdm finds the problem at startup time, the hdm will not start. If the hdm finds the problem when a new fileset is being created, the hdm will abort the operation.

Administrator Action: Edit config.dat to increase MaxFilesets, then restart the hdm.

HDM0106 Executable path name %s/%s is too long

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The path name for the named hdm executable is too long.

System Action: The hdm will not start.

Administrator Action: Do not place executables in a deeply nested directory tree.

HDM0107 The native option is not supported

Source Files Generating Error Message: hdm_Epi.c, hdm_MainProg.c, hdm_adminPackage.c

Problem Description: The hdm thought that a file system was using the unsupported native option. This message should never occur and indicates a coding error.

System Action: The operation will be aborted.

Administrator Action: Call support.

HDM0108 Cannot get tokens

Source Files Generating Error Message: hdm_EvtRecover.c, hdm_MainProg.c

Problem Description: The hdm was trying to recover its state at startup time, but could not find the outstanding events from a previous session. This message should never occur.

System Action: The hdm will be shut down.

Administrator Action: Call support.

HDM0109 ServerID line must be first in file

Source Files Generating Error Message: hdm_DFSMain.c, hdm_MainProg.c

Problem Description: The program detected a syntax error in the configuration file. The program did not find a line containing the keyword “ServerID” before it found some other keyword.

System Action: The hdm will be shut down.

Administrator Action: Edit config.dat, then restart the hdm.

HDM0110 config.dat: %s

Source Files Generating Error Message: hdm_DFSMain.c, hdm_MainProg.c

Problem Description: This is an informative message showing one line from the configuration file. There will be many such lines in the log. Note that these messages do not get written to the disk copy of the log but only appear on stdout.

System Action: None.

Administrator Action: None.

HDM0111 filesys.dat: %s

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative message showing one line from the file system configuration file. There will be many such lines in the log. Note that these messages do not get written to the disk copy of the log but only appear on stdout.

System Action: None.

Administrator Action: None.

HDM0112 ServerID %d not found

Source Files Generating Error Message: hdm_DFSMain.c, hdm_MainProg.c

Problem Description: The hdm could not find a section in the configuration file for the server whose Id is shown.

System Action: The hdm will not start.

Administrator Action: Verify that the right server id was specified on the command line when starting hpss_hdm. Verify that config.dat contains a section with the required server Id.

HDM0113 Server config parameter %s already defined

Source Files Generating Error Message: hdm_DFSMain.c, hdm_MainProg.c

Problem Description: The named parameter has been defined twice in one section of the configuration file.

System Action: The hdm will not start.

Administrator Action: Edit config.dat to remove the duplicate line, then restart the hdm.

HDM0114 A field has not been defined

Source Files Generating Error Message: hdm_DFSMain.c

Problem Description: A field in the configuration file has not been defined.

System Action: The hdm will not start.

Administrator Action: Edit config.dat to define the field, then restart the hdm.

HDM0115 Param (%s) inconsistent in call to (%s)

Source Files Generating Error Message: hdm_IO.c, hdm_Migrate.c

Problem Description: An internal error has occurred, causing an argument to the named routine to unreasonable.

System Action: An I/O or migration operation will fail. This message should not occur.

Administrator Action: Call support.

HDM0116 DM attribute (%s) not found

Source Files Generating Error Message: hdm_IO.c

Problem Description: The hdm could not find the bitfile id or nameserver handle for an object.

System Action: An I/O operation will fail.

Administrator Action: Use command line utilities to correct the hpssid attribute of the object.

HDM0117 File system handle mismatch

Source Files Generating Error Message: hdm_Epi.c, hdm_MigMain.c, hdm_PurgeMain.c

Problem Description: The hdm does not have an entry in its tables for a file system, but has gotten an event for that file system anyhow.

System Action: An operation will fail. This message should not occur and probably indicates a coding error.

Administrator Action: Call support.

HDM0118 Media designator mismatch (%s) != (%s)

Source Files Generating Error Message: hdm_MigMain.c, hdm_PurgeMain.c, hdm_Support.c

Problem Description: The migrate or purge process has been told to handle a file system that is not listed in the hdm's tables. This is not expected and indicates a coding error in the hdm. Alternatively, the main process has found that a device is not on the aggregate that is listed in the hdm's tables. This could happen if the media device is not listed correctly in filesys.dat, although that is not likely to happen.

System Action: The hdm will shut down.

Administrator Action: Edit filesys.dat, then restart the hdm.

HDM0119 Mount path mismatch (%s) != (%s)

Source Files Generating Error Message: hdm_PurgeMain.c, hdm_Support.c

Problem Description: The purge process has been told to handle a file system that is not listed in the hdm's tables. This is not expected and indicates a coding error in the hdm. Alternatively, the main process has found that a device is not on the aggregate that is listed in the hdm's tables. This could happen if the mount path is not listed correctly in filesys.dat, although that is unlikely to happen.

System Action: The hdm will shut down.

Administrator Action: Edit filesys.dat, then restart the hdm.

HDM0120 Process state change to (%s)

Source Files Generating Error Message: various

Problem Description: This is an informative message indicating that the state of a process has changed. The new state is listed.

System Action: The hdm may suspend an operation, start a new one, or shut down, depending on what the new state is.

Administrator Action: None.

HDM0121 Object not a file and (%s) DM attribute is set

Source Files Generating Error Message: hdm_Migrate.c, hdm_Purge.c

Problem Description: The hdm tried to migrate or purge an object that is not a file.

System Action: The object will be ignored. This message should not occur and probably indicates a coding error.

Administrator Action: Call support.

HDM0122 Error purging file, error (%d), bytes purged (%lld)

Source Files Generating Error Message: hdm_Purge.c

Problem Description: A purge operation failed. The message shows how many bytes were successfully purged, if any.

System Action: None.

Administrator Action: Look in the message log for other indications of why the purge failed.

HDM0123 Purge successful: (%d) files (%lld) bytes

Source Files Generating Error Message: hdm_Purge.c

Problem Description: This is an informative message indicating that a purge was successful. The message shows the number of files purged, and the total number of bytes purged.

System Action: None.

Administrator Action: None.

HDM0124 Error (%d) returned from function (%s)

Source Files Generating Error Message: various

Problem Description: An unexpected error occurred when the named function was called.

System Action: Depends on circumstances.

Administrator Action: Look in the routine's documentation to find what the error means.

HDM0125 Purge start: in use (%lld%%) start (%d%%)\n\tBytes in use (%lld) total bytes (%lld)\n\tNumber of bytes to purge (%lld)

Source Files Generating Error Message: hdm_Purge.c

Problem Description: This is an informative message indicating the start of a purge cycle. Other information in the message indicates how much space is being used and what the goals of the purge are.

System Action: The purge will attempt to meet the indicated goals.

Administrator Action: None.

HDM0126 Purge not needed: in use (%lld%%) start (%d%%)\n\t Bytes in use (%lld) Total bytes (%lld)

Source Files Generating Error Message: hdm_Purge.c

Problem Description: This is an informative message indicating that the purge process does not need to start a purge cycle. Other information in the message indicates how much space is being used and what the goals of the purge would have been had it been done.

System Action: The purger will suspend operations for a while.

Administrator Action: None.

HDM0127 Error migrating file error (%d)

Source Files Generating Error Message: hdm_Migrate.c

Problem Description: The migration process had trouble migrating a file.

System Action: The file will not be migrated at this time.

Administrator Action: None.

HDM0128 Migrate process migrated (%d) files (%lld) bytes (%lld) MBytes

Source Files Generating Error Message: hdm_Migrate.c

Problem Description: The migration process has gone through a cycle and migrated the indicated amount of data.

System Action: None.

Administrator Action: None.

HDM0129 Destroy log full

Source Files Generating Error Message: hdm_Log.c

Problem Description: The destroy log is full.

System Action: The system will retry the current operation until space becomes available.

Administrator Action: Occasional messages are not a cause for concern. If this message appears too often, edit config.dat to increase the DestroyLogSize parameter. Destroy log entries do not take too much space, so be generous.

HDM0130 Operation attempted on unsupported file type %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: An operation was attempted on an unsupported object type. For example, the hdm tried to create a socket. This message should never occur.

System Action: The operation will be aborted.

Administrator Action: Call support.

HDM0131 Destroyed DFS file but couldn't destroy HPSS file

Source Files Generating Error Message: hdm_DstProg.c

Problem Description: The hdm was able to destroy the DFS copy of a file but could not destroy the HPSS copy. This message is typically disabled and should never be seen.

System Action: The HPSS bitfile will not be deleted.

Administrator Action: Destroy the bitfile using command line tools.

HDM0132 Destroyed %d file(s); high water mark = %d

Source Files Generating Error Message: hdm_DstProg.c

Problem Description: This is an informative message indicating that the destroy process has finished a cycle. The message indicates the number of files destroyed in the cycle, and the high water mark for this value.

System Action: The destroy process will start another cycle if the count is non-zero.

Administrator Action: None However, if the high water mark gets too large, consider increasing the value of DestroyLogSize in config.dat.

HDM0133 Inconsistent state (destroying file twice)

Source Files Generating Error Message: hdm_DstProg.c

Problem Description: The destroy process tried to destroy a file twice.

System Action: The second attempt will fail because the file is already destroyed. This message is unexpected.

Administrator Action: None.

HDM0134 Unexpected destroy state %d

Source Files Generating Error Message: hdm_DstProg.c

Problem Description: The destroy process found a file was in an unexpected destroy state. This message should never happen and indicates a coding error.

System Action: The file will never get deleted.

Administrator Action: Call support.

HDM0135 Bad LogRecordMask keyword %s

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The hdm found an unrecognized keyword in the LogRecordMask configuration parameter.

System Action: The hdm will not start.

Administrator Action: Edit config.sys to use only legal keywords such as alarm, request, debug, and / or trace. Then restart the hdm.

HDM0136 Invalid data in log file %s

Source Files Generating Error Message: hdm_DstProg.c, hdm_Log.c

Problem Description: The hdm found an invalid entry in the named log.

System Action: Depends on circumstances. The entry may be deleted, or the hdm may shut down.

Administrator Action: If all else fails, delete the old log and replace it with an empty file.

HDM0137 Cannot rename log file %s to %s

Source Files Generating Error Message: hdm_Log.c

Problem Description: The hdm tried and failed to make a backup copy of the old log file.

System Action: The name of the log file will remain unchanged, and the hdm will not start.

Administrator Action: Check that the hdm is running as root. Check the mode bits for the file and its parent directory.

HDM0138 Cannot find file or directory %s

Source Files Generating Error Message: hdm_Log.c, hdm_Support.c

Problem Description: The named file or directory does not exist.

System Action: Depends on circumstances. If the object is a log file, the hdm will not start. If the object is a mount point for a file system, the file system will not be mounted. Operations on that file system will not succeed until the mount point is created.

Administrator Action: Make sure that the main log, the destroy log, and the zap log all exist. They can be empty files. Make sure that the mount point exists, and if necessary, create it.

HDM0139 Destroy log is filled with undeletable files

Source Files Generating Error Message: hdm_DstProg.c

Problem Description: The destroy log is full of files that are scheduled to be deleted, but cannot be deleted until the files are closed. This will happen if the user's program opens a file, then unlinks it, but does not call close for a long time.

System Action: The system will be unable to delete files on mirrored file systems until some of the offending files are closed. This is a known bug in the system.

Administrator Action: As a workaround, edit config.sys and increase the DestroyLogSize parameter, then restart the hdm.

HDM0140 Recovering file system %d

Source Files Generating Error Message: hdm_EvtProg.c

Problem Description: This is an informative message that appears at startup time. The message indicates that the hdm is recovering the named file system using information stored in the log files.

System Action: The file system will be recovered.

Administrator Action: None.

HDM0141 Doing hard recovery

Source Files Generating Error Message: hdm_EvtRecover.c

Problem Description: This message indicates that the system is recovering a file system ungracefully by flushing all outstanding events and ignoring the event logs.

System Action: The DFS and HPSS file systems may get out of sync. This message is for testing purposes only, and can only be seen when the hdm is run with the debugger.

Administrator Action: None.

HDM0142 Recovery done

Source Files Generating Error Message: hdm_EvtProg.c

Problem Description: This is an informative message indicating that event recovery has been completed.

System Action: The hdm will start normal event processing.

Administrator Action: None.

HDM0143 Ignoring cancel event

Source Files Generating Error Message: hdm_EvtProg.c, hdm_EvtRecover.c

Problem Description: The hdm detected a cancel event and ignored it. This is the standard way for the hdm to deal with these events. If this message occurs too often, it indicates that the system is overloaded.

System Action: The event is ignored.

Administrator Action: Try to find why the system is overloaded.

HDM0144 Too many gateways

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The hdm found too many gateways in the gateway configuration file to fit in the tables.

System Action: The hdm will not start.

Administrator Action: Edit config.sys to increase the MaxGateways and/or edit gateways.dat to remove gateways that are no longer needed. Then restart the hdm.

HDM0145 Socket database is inconsistent

Source Files Generating Error Message: hdm_Support.c

Problem Description: The hdm's internal fileset tables are not consistent. A fileset could not be found.

System Action: Operations involving that fileset will not work.

Administrator Action: Restart the hdm if the problem continues.

HDM0146 Uunexpected event status %d

Source Files Generating Error Message: hdm_EvtRecover.c

Problem Description: An event found in the recovery log had the wrong status. This should never happen.

System Action: The event will not be recovered and the log entry will be deleted.

Administrator Action: If the problem continues, call support.

HDM0147 Child called exit, pid = %d, exit status = %d

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The main hdm process has determined that a child process has called exit with the indicated status code.

System Action: If the status code is non-zero and the hdm has not been restarted too often recently, the hdm will stop all of its children and then restart itself. If the problem reoccurs too many times, the hdm will shut itself down.

Administrator Action: If the problem persists, look at the error log determine why the child process died, and fix the problem.

HDM0148 Child received signal, pid = %d, signal number = %d

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The main hdm process has determined that a child process died because it received the specified signal. In most cases, this will occur because the system administrator manually killed one of the processes.

System Action: The hdm will stop all of its children and then restart itself.

Administrator Action: None.

HDM0149 Child stopped, pid = %d, stop signal = %d

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The main hdm process has determined that a child process was stopped for debugging. This should never happen.

System Action: The hdm will stop all of its children and then restart itself.

Administrator Action: None.

HDM0150 Child died, pid = %d, wait status = %d

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The main hdm process determined that a child died, but can't figure out why. This should never happen.

System Action: The hdm will stop all of its children and then restart itself.

Administrator Action: None.

HDM0151 Destroy log contains %d events

Source Files Generating Error Message: hdm_Log.c

Problem Description: This is an informative message giving the number of records in the destroy log.

System Action: None.

Administrator Action: None.

HDM0152 Main log contains %d events

Source Files Generating Error Message: hdm_Log.c

Problem Description: This is an informative message giving the number of events that need to recovered from the main log.

System Action: None.

Administrator Action: None.

HDM0153 Recovering outstanding event, pairing = %d

Source Files Generating Error Message: hdm_EvtRecover.c

Problem Description: This is an informative message indicating that the event dispatcher is recovering an event from the main event log.

System Action: None.

Administrator Action: None.

HDM0154 Recovering stale event, pairing = %d

Source Files Generating Error Message: hdm_EvtRecover.c

Problem Description: This is an informative message indicating that the event dispatcher is recovering a "stale" event. This typically happens after the system is rebooted.

System Action: None.

Administrator Action: None.

HDM0155 Event = %s, status = %s, pairing = %d

Source Files Generating Error Message: hdm_Support.c

Problem Description: This is an informative message showing information about a DMAPI event. The message is typically disabled and should not be seen.

System Action: None.

Administrator Action: None.

HDM0156 Responding OK to all events

Source Files Generating Error Message: hdm_EvtProg.c

Problem Description: This indicates that the hdm is accepting all events without trying to keep HPSS in sync. The message is typically disabled and should not be seen.

System Action: The HPSS will get out of sync with DFS.

Administrator Action: If this is not being done intentially, stop the hdm.

HDM0157 Duplicate file system found in config file

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: A file system was mentioned twice in filesys.dat.

System Action: The hdm will not start.

Administrator Action: Edit filesys.dat and eliminate duplicate file system id's, mount paths, and/or media designators; then restart the hdm.

HDM0158 Duplicate fileset found in config file

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: A fileset was mentioned twice in filesys.dat

System Action: The hdm will not start.

Administrator Action: Edit filesys.dat and eliminate duplicate fileset id's and/or names, then restart the hdm.

HDM0159 Read or write event deferred; too many stages in progress

Source Files Generating Error Message: hdm_HanProg.c

Problem Description: This is an informative message indicating that the system is too busy to stage another file.

System Action: The I/O operation will be queued and retried later.

Administrator Action: If necessary, increase the MaxStages parameter in config.dat and monitor the system performance. Do not use too large a value.

HDM0160 Could not find either old or new renamed object

Source Files Generating Error Message: hdm_EvtRecover.c

Problem Description: The system attempted to recover a file rename operation and could not find either the original file or the renamed file. This should never happen.

System Action: The rename operation will fail. The file has probably been deleted.

Administrator Action: If the problem persists, call support.

HDM0161 Tried to destroy object that is already destroyed

Source Files Generating Error Message: hdm_DstProg.c

Problem Description: This is an informative message indicating that the system tried to destroy a file that had already been destroyed. This message is not a cause for concern.

System Action: None; the file has already been destroyed.

Administrator Action: None.

HDM0162 Cannot signal migrator

Source Files Generating Error Message: hdm_Epi.c

Problem Description: The hdm received a no-space event but could not signal the migration process to start migrating files.

System Action: Files will not be migrated until a signal can be sent successfully. Users will be unable to create files.

Administrator Action: Try sending the signal manually using hdm_admin's migrate command.

HDM0163 Cannot signal purger

Source Files Generating Error Message: hdm_Epi.c

Problem Description: The hdm received a no-space event but could not signal the purge process to start purging files.until a signal can be sent successfully. Users will be unable to create files.

System Action: Files will not be purged

Administrator Action: Try sending the signal manually using hdm_admin's purge command.

HDM0164 Unexpected child died

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The main hdm program received a signal that a child died, but could figure out which child. This should almost never occur and is probably a spurious event.

System Action: The signal will be ignored.

Administrator Action: None.

HDM0165 Cannot signal a child because it has died

Source Files Generating Error Message: hdm_Epi.c

Problem Description: The hdm received a no-space event and tried to signal the migrate or purge subprocess to begin a cleanup cycle; but the subprocess had died. This should never happen, except possible when the hdm is restarting.

System Action: The migration and/or purge cycle will not be started. Most likely, the hdm will restart itself.

Administrator Action: None.

HDM0166 Need at least one of each kind of event handler

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The hdm configuration is incorrect.

System Action: The hdm will not start.

Administrator Action: Edit config.dat to specify non-zero values for NumDataProcesses, NumNamespProcesses, and NumAdminProcesses; then restart the hdm.

HDM0167 File system %d has unknown option type DM attribute

Source Files Generating Error Message: hdm_Support.c

Problem Description: A consistency check failed. This message is typically disabled and should never been seen.

System Action: An operation will be aborted.

Administrator Action: Call support.

HDM0168 File system %d has wrong option type in config file

Source Files Generating Error Message: hdm_Support.c

Problem Description: A consistency check failed. This message is typically disabled and should never been seen.

System Action: An operation will be aborted.

Administrator Action: Call support.

HDM0169 File system id mismatch %d != %d

Source Files Generating Error Message: hdm_Support.c

Problem Description: The file system id specified in filesys.dat (first number) does not match the actual file system id (second number).

System Action: The file system will not be mounted. If this happens during startup, the hdm will not start.

Administrator Action: Edit filesys.dat to use the correct file system id.

HDM0170 Setting option DM attribute for file system %d

Source Files Generating Error Message: hdm_Support.c

Problem Description: The hdm could not set up a consistency check.

System Action: This message is typically disabled and should not be seen.

Administrator Action: Call support

HDM0171 Fileset id mismatch (%d,%d) != (%d,%d)

Source Files Generating Error Message: hdm_Support.c

Problem Description: The fileset id in the hdm's tables (first number) does not match the actual fileset id (second number).

System Action: The file system that this fileset is on will be disabled. If this happens during startup time, the hdm will not start.

Administrator Action: Edit filesys.dat to specify the correct fileset id.

HDM0172 Fileset name mismatch %s != %s

Source Files Generating Error Message: hdm_Support.c

Problem Description: The fileset name in the hdm's tables (first string) does not match the actual fileset name (second string).

System Action: The file system that this fileset is on will be disabled. If this happens during startup time, the hdm will not start.

Administrator Action: Edit filesys.dat to specify the correct fileset name.

HDM0173 Fileset %s is not on the file system

Source Files Generating Error Message: hdm_Support.c

Problem Description: This is an informative message indicating that the hdm found a fileset in its tables that doesn't actually exist in the DFS file system.

System Action: Files in this fileset will not be available.

Administrator Action: Check to see that the fileset is defined correctly in filesys.dat. Determine whether the fileset should actually exist and consider restoring it to DFS or deleting it from HPSS to get things back in sync.

HDM0174 Writing new file system config file; backup is in %s

Source Files Generating Error Message: hdm_Support.c

Problem Description: A change was made in the file system or fileset configuration.

System Action: A new version of filesys.dat was created, and the old one was saved using the indicated name.

Administrator Action: Be sure to back up filesys.dat.

HDM0175 Enabling file system %d

Source Files Generating Error Message: hdm_adminPackage.c

Problem Description: This is an informative message indicating that a new file system is being defined.

System Action: The system will attempt to create the file system and give further messages describing progress.

Administrator Action: None.

HDM0176 File system already exists

Source Files Generating Error Message: hdm_adminPackage.c

Problem Description: The hdm could not create a new file system because it already exists.

System Action: The file system will not be created.

Administrator Action: Verify that the parameters to the create_fsys command are correct.

HDM0177 Zapped %d file(s); high water mark = %d

Source Files Generating Error Message: hdm_DstProg.c

Problem Description: This is an informative message indicating that some files were destroyed from an archived file system. The total number of files is indicated, along with the largest number of files destroyed in one pass.

System Action: None.

Administrator Action: If the high water mark gets too big, the hdm is probably having trouble destroying files fast enough to keep up. Call support.

HDM0178 Cannot have two filesets with same name (%s)

Source Files Generating Error Message: hdm_Epi.c

Problem Description: The system administrator tried to create a fileset having the same name as one that already exists.

System Action: The fileset will not be created.

Administrator Action: Use a different name.

HDM0179 Too many migration or purge policies defined

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: There are too many migrate or purge policies defined in purge.dat.

System Action: The hdm will not start.

Administrator Action: Edit policy.dat to use fewer policies; or else edit config.dat to increase the value of MaxPolicies. Then restart the hdm.

HDM0180 Field %s is undefined

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The field named in the message has not been defined in config.dat.

System Action: The hdm will not start.

Administrator Action: Edit config.dat to be sure that all parameters have been specified, and that the names are spelled correctly. Be especially careful to use upper and lower case letters correctly.

HDM0181 Policy name %s is not defined

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: A migration or purge policy named in filesys.dat could not be found in policy.dat.

System Action: The hdm will not start.

Administrator Action: Confirm that all the policies specified in filesys.dat are defined in policy.dat. Be sure to restart the hdm every time a new policy is defined.

HDM0182 policy.dat: %s

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative diagnostic that echos one of the lines read from policy.dat.

System Action: None.

Administrator Action: None.

HDM0183 Duplicate policy name %s

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The hdm found two migration policies having the same name, or two purge policies having the same name. The name of the policy is printed n the message.

System Action: The hdm will not start.

Administrator Action: Edit policy.dat to use different policy names.

HDM0184 Bad Flags keyword %s

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The hdm found a bad keyword for the Flags parameter in config.dat. Currently, the only supported keyword is ‘stdout’.

System Action: The hdm will not start.

Administrator Action: Edit config.dat and fix the keyword in the Flags parameter; then restart the hdm.

HDM0185 Bad message directory %s

Source Files Generating Error Message: hdm_Msg.c

Problem Description: One of the hdm processes failed to write a message to a log file in the specified directory.

System Action: The message will be written to stdout, but not the file.

Administrator Action: Check that the directory specified exists and is writable by root. If necessary, edit config.dat and change MsgFileDirectory to point to a suitable directory, then restart the hdm.

HDM0186 Problem opening or using a message log file

Source Files Generating Error Message: hdm_Msg.c

Problem Description: There was a problem opening or writing an error message to the log file.

System Action: The message will be written to stdout, but not to the file.

Administrator Action: Check the message for more information on why the write failed, and fix the problem.

HDM0187 Cancel event for sequence %d, token %d

Source Files Generating Error Message: hdm_EvtProg.c

Problem Description: This is an informative message saying that the hdm received notification that an event had been cancelled.

System Action: The hdm will ignore the cancel event and try to complete the original operation anyhow.

Administrator Action: If there are too many cancel events, it indicates that the system is overloaded. Try to determine whether HPSS is up and responding quickly.

HDM0188 gateways.dat: %s

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative diagnostic that echos one of the lines read from gateways.dat.

System Action: None.

Administrator Action: None.

HDM0189 Cannot destroy HPSS file because bitfile id unknown

Source Files Generating Error Message: hdm_DstProg.c

Problem Description: The hdm tried to destroy a file whose bitfile id was not known. This should not normally happen and indicates that the hdm is failing to record bitfile id's correctly.

System Action: The file will not be destroyed on HPSS.

Administrator Action: Find the file using command line utilities and delete it manually.

HDM0190 Namespaces are getting out of sync

Source Files Generating Error Message: hdm_Epi.c

Problem Description: A DFS object was changed, but the operation could not be completed on the corresponding HPSS object.

System Action: The operation will be completed, but the namespaces will be out of sync.

Administrator Action: Use command-line utilities to get the namespaces back in sync. Watch for overloaded servers.

HDM0191 Retrying...

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c

Problem Description: The hdm is retrying an operation to get the DFS and HPSS namespaces back in sync. This can happen if the hdm loses contact with the gateway at a critical part of an operation -- for example, when the system is overloaded.

System Action: The operation will be retries.

Administrator Action: If this happens too often, look at other log messages to determine the root cause.

HDM0192 Error creating user event

Source Files Generating Error Message: hdm_Log.c

Problem Description: The hdm failed to get resources needed to determine whether a file should be destroyed.

System Action: The file will not be destroyed now. It may be destroyed later when hdm is restarted. The destroy log may contain an entry that cannot be deleted until the hdm restarts.

Administrator Action: Restart the hdm.

HDM0194 Shared memory is corrupt, or else may need to recompile

Source Files Generating Error Message: hdm_Shmem.c

Problem Description: The program attached to shared memory and did a sanity check that failed. The failure almost always means that the program was not compiled using the latest version of the hpss include files.

System Action: The program will not start.

Administrator Action: Recompile the program.

HDM0195 Unknown fileset %s

Source Files Generating Error Message: hdm_Epi.c

Problem Description: The hdm tried to create a junction to the named fileset, but couldn't find the fileset in its tables.

System Action: The fileset will not be created.

Administrator Action: Confirm that the fileset is listed in fileset.dat. Create the junction using the right name.

HDM0196 Waiting for %s

Source Files Generating Error Message: various

Problem Description: The hdm is waiting for the indicated action to happen. Possibilities include:

pur	waiting for data to be purged
dlog	waiting for space in destroy log
zlog	waiting to retry write to zap log
mig	waiting for data to be migrated
queue	waiting for space in event queue
dst	waiting for destroy process to start
han	waiting for event handler to start
down	waiting for a process to shut down

System Action: Depending on the situation, the system may wait forever or abort an operation.

Administrator Action: Depending on situation, edit config.dat to increase MainLogSize or DestroyLogSize; or use the kill command to kill a process that won't shutdown by itself.

HDM0197 Cannot mount %s locally at %s

Source Files Generating Error Message: hdm_Support.c

Problem Description: The hdm cannot mount the named fileset at the named place. If the place is indicated as NO_MOUNT_POINT, it indicates that a mount point was not specified for the fileset. This is normal for archive filesets, but is probably wrong for mirrored filesets. If some other name is indicated, then the message probably indicates that the named place doesn't exist or isn't accessible to the hdm.

System Action: The hdm will continue to operate. Users will be able to access files by way of DFS but not by way of HPSS.

Administrator Action: Verify that the named directory exists. If necessary, edit filesys.dat to use the correct mount point.

HDM0198 Mounting fileset %s on %s"

Source Files Generating Error Message: hdm_MainProg.c, hdm_Support.c

Problem Description: This is an informative message indicating that the hdm is mounting the named fileset on the named mount point.

System Action: None.

Administrator Action: None.

HDM0199 Mount point %s is not a directory

Source Files Generating Error Message: hdm_Support.c

Problem Description: The hdm could not mount a fileset because the specified path is not a directory.

System Action: The fileset will not be available. If this happens during startup, the hdm will not start.

Administrator Action: Make sure the mount point is named correctly in filesys.dat. Make sure the mount point has been created and is a directory.

HDM0200 Usage: %s [-r <Restarts Left> <Last Start Time>] <Config File> <Server ID>

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The main hdm executable was started with the wrong command line

System Action: The hdm will not start

Administrator Action: Restart the hdm using the right command line.

HDM0201 Usage: %s <Shared Memory Key> <Evt State Index>

Source Files Generating Error Message: hdm_EvtProg.c

Problem Description: The event dispacher was started with the wrong command line. This should never happen and indicates a coding error.

System Action: The hdm will not start.

Administrator Action: Call support.

HDM0202 Usage: %s <Shared Memory key> <Han State Index>

Source Files Generating Error Message: hdm_Han.c

Problem Description: The event handler was started with the wrong command line. This should never happen and indicates a coding error.

System Action: The hdm will not start.

Administrator Action: Call support.

HDM0203 Usage: %s <Shared Memory key>

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The TCP process was started with the wrong command line. This should never happen and indicates a coding error.

System Action: The hdm will not start.

Administrator Action: Call support.

HDM0205 Usage: %s <Shared Memory key>

Source Files Generating Error Message: hdm_DstProg.c:

Problem Description: The destroy process was started with the wrong command line. This should never happen and indicates a coding error.

System Action: The hdm will not start.

Administrator Action: Call support.

HDM0210 HPSS/DMAP main is up

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative diagnostic indicating that the hdm is running.

System Action: The system is now ready to start processing events.

Administrator Action: None.

HDM0211 HPSS/DMAP event dispatcher for %s is up, pid = %d

Source Files Generating Error Message: hdm_EvtProg.c

Problem Description: This is an informative diagnostic indicating that the event dispatcher for the named aggregate is running.

System Action: The system is now ready to dispatch events for the named aggregate.

Administrator Action: None.

HDM0212 HPSS/DMAP %s event handler is up, pid = %d

Source Files Generating Error Message: hdm_HanProg.c

Problem Description: This is an informative diagnostic indicating that an event handler is running.

System Action: The system is now ready to handle events delivered by the dispatchers.

Administrator Action: None.

HDM0213 HPSS/DMAP TCP handler is up, pid = %d

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: This is an informative diagnostic indicating that The TCP process is running.

System Action: The system is now ready to handle operations started from the HPSS side of things.

Administrator Action: None.

HDM0215 HPSS/DMAP destroy process is up, pid = %d

Source Files Generating Error Message: hdm_DstProg.c

Problem Description: This is an informative diagnostic indicating that the destroy process is running.

System Action: The system is now ready to destroy files.

Administrator Action: None.

HDM0220 Started event dispatcher for %s, pid %d

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative diagnostic indicating that the main program has started the event dispatcher for the named aggregate.

System Action: None.

Administrator Action: None.

HDM0221 Started event handler, pid %d

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative diagnostic indicating that the main program has started an event handler.

System Action: None.

Administrator Action: None.

HDM0222 Started TCP handler, pid %d

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative diagnostic indicating that the main program has started the tcp handler.

System Action: None.

Administrator Action: None.

HDM0223 Started migration handler for %s, pid %d

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative diagnostic indicating that the main program has started the migration handler for the named aggregate.

System Action: None.

Administrator Action: None.

HDM0224 Started purge handler for %s, pid %d

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative diagnostic indicating that the main program has started the purge handler for the named aggregate.

System Action: None.

Administrator Action: None.

HDM0225 Started destroy process, pid %d

Source Files Generating Error Message: hdm_MainProg.c
Problem Description: This is an informative diagnostic indicating that the main program has started the destroy process.
System Action: None.
Administrator Action: None.

HDM0230 Cannot start event dispatcher executable %s

Source Files Generating Error Message: hdm_MainProg.c
Problem Description: The hdm could not start the named program.
System Action: The hdm will not start.
Administrator Action: Make sure that the named executable exists and has the mode bits set correctly.

HDM0231 Cannot start event handler executable %s

Source Files Generating Error Message: hdm_MainProg.c
Problem Description: The hdm could not start the named program.
System Action: The hdm will not start.
Administrator Action: Make sure that the named executable exists and has the mode bits set correctly.

HDM0232 Cannot start TCP handler executable %s

Source Files Generating Error Message: hdm_MainProg.c
Problem Description: The hdm could not start the named program.
System Action: The hdm will not start.
Administrator Action: Make sure that the named executable exists and has the mode bits set correctly.

HDM0233 Cannot start migration handler executable %s

Source Files Generating Error Message: hdm_MainProg.c
Problem Description: The hdm could not start the named program.
System Action: The hdm will not start.
Administrator Action: Make sure that the named executable exists and has the mode bits set correctly.

HDM0234 Cannot start purge handler executable %s

Source Files Generating Error Message: hdm_MainProg.c
Problem Description: The hdm could not start the named program.
System Action: The hdm will not start.
Administrator Action: Make sure that the named executable exists and has the mode bits set correctly.

HDM0235 Cannot start destroy handler executable %s

Source Files Generating Error Message: hdm_MainProg.c
Problem Description: The hdm could not start the named program.
System Action: The hdm will not start.
Administrator Action: Make sure that the named executable exists and has the mode bits set correctly.

HDM0236 Cannot restart executable %s”

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The hdm could not restart itself using the named program.

System Action: The hdm will not restart.

Administrator Action: Make sure that the named executable exists and has the mode bits set correctly.

HDM0240 Event dispatcher died

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: An event dispatcher has died.

System Action: Depending on circumstances, the hdm may continue to run, restart itself, or shutdown.

Administrator Action: Look in the message log to find why the procdss died and if necessary, fix the problem.

HDM0241 Event handler died

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: An event handler has died.

System Action: Depending on circumstances, the hdm may continue to run, restart itself, or shutdown.

Administrator Action: Look in the message log to find why the procdss died and if necessary, fix the problem.

HDM0242 TCP handler died

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The TCP process has died.

System Action: Depending on circumstances, the hdm may continue to run, restart itself, or shutdown.

Administrator Action: Look in the message log to find why the procdss died and if necessary, fix the problem.

HDM0243 Migration handler died

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: A migration handler has died.

System Action: Depending on circumstances, the hdm may continue to run, restart itself, or shutdown.

Administrator Action: Look in the message log to find why the procdss died and if necessary, fix the problem.

HDM0244 Purge handler died

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: A purge handler has died.

System Action: Depending on circumstances, the hdm may continue to run, restart itself, or shutdown.

Administrator Action: Look in the message log to find why the procdss died and if necessary, fix the problem.

HDM0245 Destroy handler died

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The destroy process has died.

System Action: Depending on circumstances, the hdm may continue to run, restart itself, or shutdown.

Administrator Action: Look in the message log to find why the procdss died and if necessary, fix the problem.

HDM0250 No fileset seems to be mounted on %s

Source Files Generating Error Message: hdm_Support.c

Problem Description: The hdm found that a fileset was not mounted where it was supposed to be.

System Action: The hdm will usually try to correct the situation. Until it succeeds, the fileset will not be accessible.

Administrator Action: Make sure that the mount point is named correctly and has been created.

HDM0251 Wrong fileset (%d, %d) mounted at %s; should be (%d, %d)

Source Files Generating Error Message: hdm_Support.c

Problem Description: The hdm found that the wrong fileset was mounted on the given mount point.

System Action: The hdm will usually try to correct the situation. Until it succeeds, the fileset will not be accessible.

Administrator Action: Make sure that filesys.dat doesn't have two entries that use the same mount point.

HDM0252 A mount point for fileset %s is undefined

Source Files Generating Error Message: hdm_Support.c, hdm_adminPackage.c

Problem Description: This is an informative message indicating that, when the fileset was created by the SSM, the mount point field was left blank. This can be confirmed by checking filesys.dat for a mount point specified as "NO_MOUNT_POINT". Depending on circumstances, the message may be normal or may indicate a problem.

System Action: Depends on circumstances.

Administrator Action: Look in the log for other messages to help clarify the problem. If there is a real problem, edit filesys.dat as a last resort to enter the correct mount point, then restart the hdm.

HDM0253 Bad mount point name %s for fileset %s

Source Files Generating Error Message: hdm_adminPackage.c

Problem Description: An attempt was made to create a fileset using a mount point name that was not correct. Global mount points must start with /.:, /..., or /:, while local mount points must not.

System Action: The fileset will not be created

Administrator Action: Reenter the command using a valid mount point.

HDM0254 Backdoor access denied on mirrored fileset %s

Source Files Generating Error Message: hdm_adminPackage.c

Problem Description: This is an informative message indicating that a mirrored fileset will not be accessible from the HPSS side. Although this is permissible, it is considered unusual.

System Action: Mirrored files will not be accessible from HPSS, but only from DFS.

Administrator Action: If necessary, edit filesys.dat and replace the string "NO_MOUNT_POINT" with a valid mount point.

HDM0255 Backdoor access permitted on backup fileset %s

Source Files Generating Error Message: hdm_adminPackage.c

Problem Description: This is an informative message indicating that a backup fileset will not accessible from the HPSS side. Although this is permissible, it is considered unusual.

System Action: Archived files will be accessible from the HPSS side as well as from DFS.

Administrator Action: If necessary, edit filesys.dat and replace the local and / or global mount points by the string "NO_MOUNT_POINT".

HDM0256 The hdm is restarting, remaining = %d

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative diagnostic indicating that the hdm is restarting. The message tells the number of automatic restarts remaining before the hdm will shutdown permanently.

System Action: The hdm will be restarted.

Administrator Action: Inspect the log to see why the hdm had to be restarted, and if appropriate, fix the problem.

HDM0257 No more automatic restarts remaining

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: The hdm has restarted itself too many times in a short period of time.

System Action: The hdm will shut down.

Administrator Action: Inspect the message log to find why the hdm is restarting itself so often, and fix the problem before trying to restart the hdm.

HDM0259 Trying alternate bitfile id

Source Files Generating Error Message: hdm_DstProg.c, hdm_IO.c, hdm_Migrate.c

Problem Description: This is an informative diagnostic that occurs when the hdm is trying to access a file whose class of service (and therefore bitfile id) has changed.

System Action: The system will retry the current operation using an alternate bitfile id.

Administrator Action: None.

HDM0260 Resetting bitfile id

Source Files Generating Error Message: hdm_IO.c, hdm_Migrate.c

Problem Description: This is an informative diagnostic that occurs when the hdm has successfully accessed a file whose class of service has changed.

System Action: The hdm has reset the bitfile id to the new value.

Administrator Action: None.

HDM0261 One or more messages lost

Source Files Generating Error Message: hdm_Msg.c
Problem Description: One or more messages could not be written to the message log.
System Action: None.
Administrator Action: None.

HDM0262 Cannot start hdm because it is already running

Source Files Generating Error Message: hdm_MainProg.c
Problem Description: The hdm cannot be started because it is already running.
System Action: The new instance of the hdm will stop.
Administrator Action: Stop the old hdm before starting the new one.

HDM0263 The hdm is starting

Source Files Generating Error Message: hdm_MainProg.c
Problem Description: This is a diagnostic message indicating that the hdm is being started.
System Action: The hdm will be started.
Administrator Action: None.

HDM0264 DCE credentials have expired or are for the wrong account %s

Source Files Generating Error Message: hdm_MainProg.c
Problem Description: The hdm is unable to find valid DCE credentials
System Action: The hdm will not be able to start
Administrator Action: Run the dce_logout command and try again.

HDM0265 Command error: %s

Source Files Generating Error Message: various
Problem Description: One of the command line arguments is incorrect.
System Action: The hdm will not be able to start
Administrator Action: Check message for additional information and try to start the hdm again.

HDM0266 Configuring file system %s

Source Files Generating Error Message: hdm_MainProg.c
Problem Description: This is a diagnostic message indicating that the named file system is being configured.
System Action: None
Administrator Action: None

HDM0267 **Some filesets may not be configured. Use 'fts lshead' to find and delete problem filesets; then restart the hdm.**

Source Files Generating Error Message: hdm_Support.c

Problem Description: HDM may have crashed while a fileset was being created or deleted, preventing a normal restart.

System Action: HDM will come up in a crippled mode that will allow the problem to be fixed. Operations on some filesets may work while others will not.

Administrator Action: Use 'fts' commands to identify the fileset that is causing the problem. Delete it, then restart HDM.

HDM0268 **Cannot get user's authorization info. Probably in too many groups. Size=%d.**

Source Files Generating Error Message: hdm_EvtProg.c, hdm_EvtRecover.c

Problem Description: A user belongs to too many groups.

System Action: The user's request will be aborted.

Administrator Action: Work with user to reduce his/her number of groups to below 16.

HDM0269 **Zero encryption key found; gateway authentication is disabled.**

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is a diagnostic message warning that HDM is being run with a zero encryption key.

System Action: Mutual authentication between HDM and DMAP Gateway is effectively disabled. The system will continue to run, but security will be minimal.

Administrator Action: Change the key in gateways.dat and on the DMAP Gateway server-specific configuration screen to a non-zero value, then restart both servers.

HDM0270 **Timestamp is out of bounds**

Source Files Generating Error Message: hdm_Support.c

Problem Description: Could not authenticate the DMAP Gateway because its clock was not synchronized with HDM's clock.

System Action: Operations involving that gateway will fail.

Administrator Action: Adjust HDM and/or Gateway machine clocks to be within five minutes of each other. Run a time synchronization program such as ntp to keep the problem from happening again.

HDM0271 **Cannot find fileset in tables**

Source Files Generating Error Message: hdm_Support.c

Problem Description: A fileset was not found in HDM's tables.

System Action: Operations involving that fileset will fail.

Administrator Action: Make sure that filesys.dat is up to date.

HDM0272 DM handles, NS handles, or host addresses don't match

Source Files Generating Error Message: hdm_Support.c

Problem Description: Could not authenticate the DMAP Gateway for one of the indicated reasons.

System Action: Operations involving that gateway will fail.

Administrator Action: Make sure the gateway is running on the host where it is supposed to be, and that fully qualified host names are used. If the machine is multi-homed, make sure the right host name is specified. Check that the DMAPI handle stored in the name server's metadata agrees with DMAPI's handle. Check that name server handle stored in fileset's DM attributes agrees with name server's handle. Use tools such as getattr, setdmattr, set_ns_handle, and insif to find and fix descrepancies.

HDM0273 Verifier mismatch; the encryption key may be wrong

Source Files Generating Error Message: HDM_Support.c

Problem Description: Could not verify a message from the gateway, probably because HDM and gateway are using different encryption keys.

System Action: Operations involving that gateway will fail.

Administrator Action: Make sure that the encryption key in gateways.dat agrees with the key specified in the gateway's server-specific configuration. Check for security violations.

HDM0274 Empty or corrupt filesys.dat detected; first and last lines must be '%s%d'

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: Could not find file system information.

System Action: The HDM will shut down

Administrator Action: Determine why the file was corrupted. Perhaps edit filesys.dat to add the required first and last lines; or use an old version of the file.

HDM0275 Version %d filesys.dat found, will be converted to version %d

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative diagnostic indicating that an old version of filesys.dat was found.

System Action: The HDM will convert the file and start normally.

Administrator Action: None

HDM0276 Warning: permissive mount is being used; DFS and HPSS could get out of sync

Source Files Generating Error Message: hdm_MainProg.c

Problem Description: This is an informative diagnostic indicating that the permissive mount option has been selected

System Action: If a mount event comes for a file system not registered in filesys.dat, HDM will relay the event on to other HDMs. If there are no HDMs that can handle the file system, it will be unmanaged and could get out of sync with HPSS.

Administrator Action: If multiple HDM servers are not being used, remove the permissiveMount flag from config.dat.

HDM0301 Permchange, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c
Problem Description: This is an informative diagnostic indicating that a permission change event has occurred.
System Action: The event will be processed.
Administrator Action: None.

HDM0302 Create %s, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c
Problem Description: This is an informative diagnostic indicating that a create event has occurred.
System Action: None.
Administrator Action: None.

HDM0303 Junction %s on %s, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c
Problem Description: This is an informative diagnostic indicating that a junction event has occurred.
System Action: The event will be processed.
Administrator Action: None.

HDM0304 Link %s, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c
Problem Description: This is an informative diagnostic indicating that a link event has occurred.
System Action: The event will be processed.
Administrator Action: None.

HDM0305 Remove %s, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c
Problem Description: This is an informative diagnostic indicating that aremove event has occurred.
System Action: The event will be processed.
Administrator Action: None.

HDM0306 Rename %s -> %s, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c
Problem Description: This is an informative diagnostic indicating that a rename event has occurred.
System Action: The event will be processed.
Administrator Action: None.

HDM0307 Symlink %s -> %s, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c
Problem Description: This is an informative diagnostic indicating that a symlink event has occurred.
System Action: The event will be processed.
Administrator Action: None.

HDM0308 Nospace, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that a nospace event has occurred.

System Action: The migration and purge processes will be started, and the hdm will wait until significant space has been freed.

Administrator Action: None.

HDM0309 Preunmount, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that a preunmount event has occurred.

System Action: The system will begin unmounting a file system.

Administrator Action: None.

HDM0310 Syncdestroy, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that a syncdestroy event has occurred.

System Action: The event will be processed.

Administrator Action: None.

HDM0311 Unmount, RetCode = %d, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that a unmount event has occurred.

System Action: Depending on circumstances, the hdm will undo or complete the operation started by the preunmount event.

Administrator Action: None.

HDM0312 Read, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_IO.c

Problem Description: This is an informative diagnostic indicating that a read event has occurred.

System Action: The event will be processed.

Administrator Action: None.

HDM0313 Write, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_IO.c

Problem Description: This is an informative diagnostic indicating that a write event has occurred.

System Action: The event will be processed.

Administrator Action: None.

HDM0314 Trunc, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_IO.c

Problem Description: This is an informative diagnostic indicating that a truncate event has occurred.

System Action: The event will be processed.

Administrator Action: None.

HDM0331 Syncpost permchange, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that a syncpost permission change event has occurred.

System Action: The action started by the corresponding pre event will either be undone or completed.

Administrator Action: None.

HDM0332 Syncpost create %s, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that a syncpost create event has occurred.

System Action: The action started by the corresponding pre event will either be undone or completed.

Administrator Action: None.

HDM0333 Syncpost createft, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that a syncpost create event has occurred, specifying that a fileset be created.

System Action: The action started by the corresponding pre event will either be undone or completed.

Administrator Action: None.

HDM0334 Syncpost junction %s, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that a syncpost junction event has occurred.

System Action: The action started by the corresponding pre event will either be undone or completed.

Administrator Action: None.

HDM0335 Syncpost link %s, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that a syncpost link event has occurred.

System Action: The action started by the corresponding pre event will either be undone or completed.

Administrator Action: None.

HDM0336 Syncpost remove %s, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that a syncpost remove event has occurred.

System Action: The action started by the corresponding pre event will either be undone or completed. An entry may be left in the destroy or zap log if the file will eventually be deleted.

Administrator Action: None.

HDM0337 Syncpost rename %s -> %s, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that a syncpost rename event has occurred.

System Action: The action started by the corresponding pre event will either be undone or completed.

Administrator Action: None.

HDM0338 Syncpost symlink %s -> %s, sid %d, token %d, pairing = %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that a syncpost symlink event has occurred.

System Action: The action started by the corresponding pre event will either be undone or completed.

Administrator Action: None.

HDM0340 Gateway could not receive result

Source Files Generating Error Message: hdm_Epi.c

Problem Description: The hdm asked the gateway to start a transaction, but could not tell the gateway whether to abort the transaction or complete it. This probably indicates a communication failure.

System Action: The transaction will have been aborted by the gateway. Depending on circumstances, the hdm may retry the operation until it succeeds. That could cause the event log files to fill up temporarily.

Administrator Action: If the logs fill up, the hdm may need to be restarted.

HDM0341 Gateway could not create object

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c

Problem Description: A create operation was started on the gateway, but the gateway could not complete it.

System Action: The corresponding operation on DFS will be aborted if possible.

Administrator Action: None.

HDM0342 Gateway could not remove object

Source Files Generating Error Message: hdm_DstProg.c, hdm_Epi.c, hdm_EvtRecover.c

Problem Description: A remove operation was started on the gateway, but the gateway could not complete it.

System Action: The corresponding operation on DFS will be aborted if possible.

Administrator Action: None.

HDM0343 Gateway could not create junction

Source Files Generating Error Message: hdm_Epi.c

Problem Description: An operation to create a junction was started on the gateway, but the gateway could not complete it.

System Action: The corresponding operation on DFS will be aborted if possible.

Administrator Action: None.

HDM0344 Gateway could not rename object

Source Files Generating Error Message: hdm_DstProg.c, hdm_Epi.c, hdm_EvtRecover.c

Problem Description: A rename operation was started on the gateway, but the gateway could not complete it.

System Action: The corresponding operation on DFS will be aborted if possible.

Administrator Action: None.

HDM0345 Gateway could not create symlink

Source Files Generating Error Message: hdm_Epi.c

Problem Description: A symlink operation was started on the gateway, but the gateway could not complete it.

System Action: The corresponding operation on DFS will be aborted if possible.

Administrator Action: None.

HDM0346 Gateway could not create link

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c

Problem Description: A link operation was started on the gateway, but the gateway could not complete it.

System Action: The corresponding operation on DFS will be aborted if possible.

Administrator Action: None.

HDM0347 Gateway could not change permissions

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c

Problem Description: A permission change operation was started on the gateway, but the gateway could not complete it.

System Action: The corresponding operation on DFS will be aborted if possible.

Administrator Action: None.

HDM0349 Gateway could not destroy file

Source Files Generating Error Message: hdm_DstProg.c

Problem Description: A destroy operation was started on the gateway, but the gateway could not complete it.

System Action: The corresponding operation on DFS will be aborted if possible.

Administrator Action: None.

HDM0351 Recover permchange, pairing = %d

Source Files Generating Error Message: hdm_EvtRecover.c

Problem Description: This is an informative diagnostic indicating that a permission change event is being recovered.

System Action: None.

Administrator Action: None.

HDM0352 Recover create %s, pairing = %d

Source Files Generating Error Message: hdm_EvtRecover.c

Problem Description: This is an informative diagnostic indicating that a create event is being recovered.

System Action: None.

Administrator Action: None.

HDM0353 Recover junction %s, pairing = %d

Source Files Generating Error Message: hdm_EvtRecover.c

Problem Description: This is an informative diagnostic indicating that junction creation event is being recovered.

System Action: None.

Administrator Action: None.

HDM0354 Recover link %s->%s, pairing = %d

Source Files Generating Error Message: hdm_EvtRecover.c

Problem Description: This is an informative diagnostic indicating that a link event is being recovered.

System Action: None.

Administrator Action: None.

HDM0355 Recover remove %s, pairing = %d

Source Files Generating Error Message: hdm_EvtRecover.c

Problem Description: This is an informative diagnostic indicating that a remove event is being recovered.

System Action: None.

Administrator Action: None.

HDM0356 Recover rename %s -> %s, pairing = %d

Source Files Generating Error Message: hdm_EvtRecover.c

Problem Description: This is an informative diagnostic indicating that a rename event is being recovered.

System Action: None.

Administrator Action: None.

HDM0357 Recover symlink %s -> %s, pairing = %d

Source Files Generating Error Message: hdm_EvtRecover.c

Problem Description: This is an informative diagnostic indicating that a symlink event is being recovered.

System Action: None.

Administrator Action: None.

HDM0441 Dmapi could not create object

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c.

Problem Description: A create operation was started on DFS, but could not be completed.

System Action: To keep the namespaces in sync, the hdm will abort the corresponding transaction on HPSS.

Administrator Action: None.

HDM0442 Dmapi could not remove object

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c.

Problem Description: A remove operation was started on DFS, but could not be completed.

System Action: To keep the namespaces in sync, the hdm will abort the corresponding transaction on HPSS.

Administrator Action: None.

HDM0443 Dmapi could not create junction

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c.

Problem Description: A junction operation was started on DFS, but could not be completed.

System Action: To keep the namespaces in sync, the hdm will abort the corresponding transaction on HPSS.

Administrator Action: None.

HDM0444 Dmapi could not rename object

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c.

Problem Description: A rename operation was started on DFS, but could not be completed.

System Action: To keep the namespaces in sync, the hdm will abort the corresponding transaction on HPSS.

Administrator Action: None.

HDM0445 Dmapi could not create symlink

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c.

Problem Description: A symlink operation was started on DFS, but could not be completed.

System Action: To keep the namespaces in sync, the hdm will abort the corresponding transaction on HPSS.

Administrator Action: None.

HDM0446 Dmapi could not create link

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c.

Problem Description: A link operation was started on DFS, but could not be completed.

System Action: To keep the namespaces in sync, the hdm will abort the corresponding transaction on HPSS.

Administrator Action: None.

HDM0447 Dmapi could not change permissions

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c.

Problem Description: A permission change operation was started on DFS, but could not be completed.

System Action: To keep the namespaces in sync, the hdm will abort the corresponding transaction on HPSS.

Administrator Action: None.

HDM0448 Dmapi could not create fileset

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c.

Problem Description: A fileset creation operation was started on DFS, but could not be completed.

System Action: To keep the namespaces in sync, the hdm will abort the corresponding transaction on HPSS.

Administrator Action: None.

HDM0449 Dmapi could not destroy fileset

Source Files Generating Error Message: hdm_Epi.c, hdm_EvtRecover.c.

Problem Description: A fileset destroy operation was started on DFS, but could not be completed.

System Action: To keep the namespaces in sync, the hdm will abort the corresponding transaction on HPSS.

Administrator Action: None.

HDM0500 Responding %s: sid %d, token %d, errno %d

Source Files Generating Error Message: hdm_Support.c

Problem Description: This is an informative message indicating that the hdm is responding to a DMAPI event, asking the system to either continue or abort the event.

System Action: None.

Administrator Action: None.

HDM0502 Got event: sid %d, token %d

Source Files Generating Error Message: hdm_EvtProg.c, hdm_MainProg.c

Problem Description: This is an informative diagnostic indicating that the hdm has received a DMAPI event.

System Action: Most events will be put on a queue. Mount events will be handled in line.

Administrator Action: None.

HDM0503 Released rights: sid %d, token %d

Source Files Generating Error Message: hdm_HanProg.c

Problem Description: This is an informative diagnostic indicating that the hdm has released rights to some file system object.

System Action: The object will become accessible.

Administrator Action: None.

HDM0504 Requested rights: sid %d, token %d

Source Files Generating Error Message: hdm_Epi.c

Problem Description: This is an informative diagnostic indicating that the hdm has requested exclusive access to some file system object.

System Action: The object will be temporarily inaccessible while the hdm works on it.

Administrator Action: None.

HDM0600 Gateway server failed to get file attributes

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: This is an informative message indicating that the hdm cannot perform the indicated operation. This should not happen normally.

System Action: An end user's operation will fail.

Administrator Action: Inspect message logs for further information.

HDM0601 Gateway server failed converting path to DM handle

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: This is an informative message indicating that the hdm cannot perform the indicated operation. This should not happen normally.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0602 Gateway server failed setting DM file attributes

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: This is an informative message indicating that the hdm cannot perform the indicated operation. This should not happen normally.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0603 Gateway server failed getting DM file attributes

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: This is an informative message indicating that the hdm cannot perform the indicated operation. This should not happen normally.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0604 Gateway server failed creating user event

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: This is an informative message indicating that the hdm cannot perform the indicated operation. This should not happen normally.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0605 Gateway server failed getting all DM attributes

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: This is an informative message indicating that the hdm cannot perform the indicated operation. This should not happen normally.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0607 Error converting handle to path

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: This is an informative message indicating that the hdm cannot perform the indicated operation. This should not happen normally.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0608 Error setting Gateway Server identity

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: The hdm could not set the end user's identity, perhaps because he is not authorized.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0609 Error from hdm_PurgeFile

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: The hdm could not purge data from DFS.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0610 Error from hdm_MigrateFile

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: The hdm could not migrate data to HPSS.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0612 Maximum number (%d) of TCP handlers exceeded

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: There are too many requests coming from one gateway.

System Action: An end user's operation will be aborted.

Administrator Action: Consider increasing configuration paramter MaxTcpConnects.

HDM0613 Error getting TCP server socket peer

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The hdm could not determine information about the gateway. This should not normally happen.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0614 Could not get hostname for %s

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The hdm could not determine information about the gateway. This should not normally happen.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0615 Gateway server failed setting DM file regions

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: The hdm could not set file regions. This should not normally happen.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0616 TCP server handler error in processing requests

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: There was a failure sending a request to the gateway.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0617 Error getting DMAP host entry

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The TCP process cannot find its host name at startup time. This should not normally happen.

System Action: The hdm will stop.

Administrator Action: Inspect message logs for further information.

HDM0618 Error creating DMAP TCP Server socket

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The TCP process cannot perform the indicated operation. This should not normally happen.

System Action: The hdm will stop.

Administrator Action: Inspect message logs for further information.

HDM0619 Error binding to DMAP TCP Server port

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The TCP process cannot perform the indicated operation. This should not normally happen.

System Action: The hdm will stop.

Administrator Action: Inspect message logs for further information.

HDM0620 Error listening on DMAP TCP Server socket

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The TCP process cannot perform the indicated operation. This should not normally happen.

System Action: The hdm will stop.

Administrator Action: Inspect message logs for further information.

HDM0621 Error from dm_getall_sessions

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The hdm could not recover previous DMAPI sessions. This should not normally happen.

System Action: The hdm will stop.

Administrator Action: Inspect message logs for further information.

HDM0622 Error from dm_query_session

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The hdm could not recover previous DMAPI sessions. This should not normally happen.

System Action: The hdm will stop.

Administrator Action: Inspect message logs for further information.

HDM0623 Error getting tokens for session %s

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The hdm could not recover previous DMAPI sessions. This should not normally happen.

System Action: The hdm will stop.

Administrator Action: Inspect message logs for further information.

HDM0624 Tcp Server Process child %d died

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: One of the TCP subprocess died unexpectedly.

System Action: Depends on circumstances.

Administrator Action: Inspect message logs for further information.

HDM0625 Tcp Server could not get its groupslist

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The TCP process cannot perform the indicated operation. This should not normally happen.

System Action: The hdm will stop.

Administrator Action: Inspect message logs for further information.

HDM0626 Error creating DFSId server thread

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The TCP process cannot create a thread for maintaining DCE credentials. This should not normally happen.

System Action: The hdm will stop.

Administrator Action: Inspect message logs for further information.

HDM0628 Filesystem not set up for mirrored options

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: A fileset cannot be found in the hdm's tables.

System Action: Depends on circumstances. An end user's operation will probably be aborted.

Administrator Action: Inspect message logs for further information.

HDM0629 Invalid fileset identifier

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: The hdm's fileset tables are inconsistent with the fileset itself.

System Action: Depends on circumstances. An end user's operation will probably be aborted.

Administrator Action: Inspect message logs for further information.

HDM0630 File is of wrong type for operation

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: The object type (eg. file, directory, etc.) was inappropriate. This should never happen.

System Action: An end user's operation will be aborted.

Administrator Action: Call support.

HDM0631 Invalid size

Source Files Generating Error Message: hdm_hpPackage.c
Problem Description: The hdm tried to clear a hole greater than 2 GBytes. This is not supported.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0633 Error from creat syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0634 Error from close syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0635 Error from open syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0636 Error from llseek syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0637 Error from lseek syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0638 Error from mkdir syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0639 Error from fclear syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0640 Error from fcntl syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0641 Error from truncate syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0642 Error from fturncate syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0643 Error from link syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0644 Error from stat syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0645 Error from unlink syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0646 Error from rmdir syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0647 Error from rename syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0648 Error from symlink syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0649 Error from chown syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0650 Error from chmod syscall

Source Files Generating Error Message: hdm_hpPackage.c, hdm_TcpProg.c
Problem Description: The indicated system call failed.
System Action: The hdm will stop
Administrator Action: None.

HDM0652 Bytes cleared not equal to bytes requested

Source Files Generating Error Message: hdm_hpPackage.c
Problem Description: Could not punch a hole in a file.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0653 Error from accept syscall

Source Files Generating Error Message: hdm_TcpProg.c
Problem Description: The accept system call failed. This should never happen.
System Action: None.
Administrator Action: Inspect message logs for further information.

HDM0654 Error from fork syscall

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: The TCP process could not fork a process to handle a user's request. This should never happen.

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0655 Only migrating/purging whole files

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: An attempt was made to do a partial file migration. This is not currently supported.

System Action: The migration will be aborted.

Administrator Action: None.

HDM0657 Error in AFS_SYSCALL

Source Files Generating Error Message: hdm_hpPackage.c

Problem Description: An attempt to get or set an object's ACL failed

System Action: An end user's operation will be aborted.

Administrator Action: Inspect message logs for further information.

HDM0658 Gateway server entering function

Source Files Generating Error Message: hdm_adminPackage.c, hdm_hpPackage.c

Problem Description: This is an informative message indicating that the hdm has entered a function.

System Action: None.

Administrator Action: None.

HDM0659 Gateway server exiting function

Source Files Generating Error Message: hdm_adminPackage.c, hdm_hpPackage.c

Problem Description: This is an informative message indicating that the hdm has exited a function.

System Action: None.

Administrator Action: None.

HDM0660 Starting TCP handler, count = %d

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: This is an informative message indicating that a process has been started to handle a user's request. The "count" is misleading it is actually the process's pid.

System Action: The request will be processed.

Administrator Action: None.

HDM0661 Cleaning up session %s id %d

Source Files Generating Error Message: <text>

Problem Description: This is an informational message indicating that the TCP process is cleaning up old DMAPI sessions.

System Action: The cleanup will proceed.

Administrator Action: None.

HDM0662 Cleaning up session %d token %d

Source Files Generating Error Message: <text>

Problem Description: This is an informational message indicating that the TCP process is cleaning up old DMAPI sessions.

System Action: The cleanup will proceed.

Administrator Action: None.

HDM0663 Tcp Server process %d resuming

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: This is an informational message indicating that the TCP process has been told to resume operations.

System Action: The process will change its state to running.

Administrator Action: None.

HDM0664 Tcp Server process %d suspending

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: This is an informational message indicating that the TCP process has been told to suspend operations.

System Action: The process will change its state to suspended.

Administrator Action: None.

HDM0665 Tcp Server process %d shutting down

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: This is an informational message indicating that the TCP process has been told to suspend operations.

System Action: The hdm will stop.

Administrator Action: None.

HDM0666 Tcp Server %d received signal %d

Source Files Generating Error Message: hdm_TcpProg.c

Problem Description: This is an informational message indicating that the TCP process whose pid is shown has received the indicated signal.

System Action: The process will change its state according to the signal received.

Administrator Action: None.

HDM0667 Error getting DFS token

Source Files Generating Error Message: hdm_hpPackage.c
Problem Description: An attempt to lock a DFS file failed.
System Action: An end user's operation will be aborted.
Administrator Action: Inspect message logs for further information.

HDM0668 Error freeing DFS token.

Source Files Generating Error Message: hdm_hpPackage.c
Problem Description: An attempt to unlock a DFS file failed.
System Action: An end user's operation will be aborted.
Administrator Action: Inspect message logs for further information.

HDM0670 Server must have network authentication

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: An attempt to get or refresh the TCP process' login context has failed.
System Action: The hdm will stop.
Administrator Action: Inspect message logs for further information.

HDM0671 Error setting protocol: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The TCP process cannot set protocols.
System Action: The hdm will stop.
Administrator Action: Inspect message logs for further information.

HDM0672 Error converting uuid: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: Depends on circumstances. This should not happen.
System Action: Sepends on circumstances.
Administrator Action: Call support.

HDM0673 Error importing context %s

Source Files Generating Error Message: hdm_DFSApis.c
Problem Description: There was a problem processing a user's DCE credentials
System Action: Unknown.
Administrator Action: Call support.

HDM0674 Bad caller authn (%d), authz (%d), protect (%d)

Source Files Generating Error Message: hdm_DFSApis.c
Problem Description: There was a problem processing a user's DCE credentials
System Action: Unknown.
Administrator Action: Call support.

HDM0675 Error inquiring caller auth info: %s

Source Files Generating Error Message: hdm_DFSApis.c
Problem Description: There was a problem processing a user's DCE credentials
System Action: Unknown.
Administrator Action: Call support.

HDM0677 Error locking mutex

Source Files Generating Error Message: hdm_DFSApis.c, hdm_DFSMain.c
Problem Description: There was a problem locking a mutex.
System Action: Depends on circumstances.
Administrator Action: Inspect message logs for further information.

HDM0678 Error unlocking mutex

Source Files Generating Error Message: hdm_DFSApis.c, hdm_DFSMain.c
Problem Description: There was a problem unlocking a mutex.
System Action: Depends on circumstances.
Administrator Action: Inspect message logs for further information.

HDM0679 Error getting current context: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The TCP process could not get its security context.
System Action: The hdm will stop.
Administrator Action: Inspect message logs for further information.

HDM0680 Error purging context: %s

Source Files Generating Error Message: hdm_DFSApis.c:
Problem Description: Could not purge a user's DCE credentials
System Action: Unknown.
Administrator Action: Call support.

HDM0681 Error setting context: %s

Source Files Generating Error Message: hdm_DFSApis.c, hdm_DFSMain.c
Problem Description: Cannot set security context.
System Action: Depends on circumstances. The hdm may stop.
Administrator Action: Call support.

HDM0682 Error getting auth initiator: %s

Source Files Generating Error Message: hdm_DFSApis.c:
Problem Description: Cannot find security information for indicated reason.
System Action: Unknown.
Administrator Action: Call support.

HDM0683 Error geting pac data: %s

Source Files Generating Error Message: hdm_DFSApis.c
Problem Description: Cannot find security information for indicated reason.
System Action: Unknown.
Administrator Action: Call support.

HDM0684 Error becoming caller: %s

Source Files Generating Error Message: hdm_DFSApis.c
Problem Description: Cannot change security context to that of end user.
System Action: End user's operation will be aborted.
Administrator Action: Inspect message logs for further information.

HDM0685 Error getting restrictions: %s

Source Files Generating Error Message: hdm_DFSApis.c
Problem Description: Cannot change security context to that of end user.
System Action: End user's operation will be aborted.
Administrator Action: Inspect message logs for further information.

HDM0686 Error getting context expiration: %s

Source Files Generating Error Message: hdm_DFSApis.c
Problem Description: Cannot change security context to that of end user.
System Action: End user's operation will be aborted.
Administrator Action: Inspect message logs for further information.

HDM0687 Error allocating memory

Source Files Generating Error Message: <text>
Problem Description: Cannot change security context to that of end user.
System Action: End user's operation will be aborted.
Administrator Action: Inspect message logs for further information.

HDM0688 Error initializing mutex: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: Cannot initialize a pthread mutex
System Action: The hdm will stop.
Administrator Action: Inspect message logs for further information.

HDM0689 Error from server listen: %s

Source Files Generating Error Message: hdm_DFSMain.c, hdm_TcpProg.c
Problem Description: The TCP process cannot register services for the indicated reason.
System Action: Unknown.
Administrator Action: Call support.

HDM0690 Error registering auth services: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The TCP process cannot register services for the indicated reason.
System Action: The hdm will stop.
Administrator Action: Inspect message logs for further information.

HDM0691 Error registering service: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The TCP process cannot register services for the indicated reason.
System Action: The hdm will stop
Administrator Action: Inspect message logs for further information.

HDM0692 Error inquiring bindings: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The TCP process cannot register services for the indicated reason.
System Action: The hdm will stop
Administrator Action: Inspect message logs for further information.

HDM0693 Error registering server: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The TCP process cannot register services for the indicated reason.
System Action: The hdm will stop.
Administrator Action: Inspect message logs for further information.

HDM0694 Error setting up identity: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The TCP process cannot set up its security context for the indicated reason.
System Action: The hdm will stop.
Administrator Action: Inspect message logs for further information.

HDM0695 Error geting server key: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The TCP process cannot set up its security context for the indicated reason.
System Action: The hdm will stop.
Administrator Action: Inspect message logs for further information.

HDM0696 Error validating server id: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The TCP process cannot set up its security context for the indicated reason.
System Action: The hdm will stop.
Administrator Action: Inspect message logs for further information.

HDM0697 Error freeing server key: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The TCP process cannot set up its security context for the indicated reason.
System Action: The hdm will stop.
Administrator Action: Inspect message logs for further information.

HDM0698 Error creating DCE thread: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The TCP process cannot start a thread to maintain its security context.
System Action: The hdm will stop.
Administrator Action:

HDM0699 Error refreshing identity: %s

Source Files Generating Error Message: <text>
Problem Description: The TCP process cannot refresh its security context.
System Action: The hdm will try again later.
Administrator Action: None.

HDM0700 Error from utimes syscall

Source Files Generating Error Message: hdm_hpPackage.c
Problem Description: The hdm cannot set a file's access times.
System Action: End user's operation will be aborted.
Administrator Action: None.

HDM0703 Error setting socket option

Source Files Generating Error Message: hdm_TcpProg.c
Problem Description: The indicated system call failed. This should never happen.
System Action: An end user's operation will be aborted.
Administrator Action: None.

HDM0705 Error opening PAG recovery file %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The named PAG recovery file could not be opened.
System Action: An entry will not be written to the file.
Administrator Action: Verify that the file exists and is protected correctly.

HDM0706 Error writing PAG recovery file %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: The named PAG recovery file could not be written.
System Action: An entry will not be written to the file.
Administrator Action: Verify that the file exists and is protected correctly.

HDM0707 Error exporting login context: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: Could not export security context. This should not happen.
System Action: The DFS security server will not be started.
Administrator Action: Call support.

HDM0708 Error parsing security config file: %s

Source Files Generating Error Message: hdm_DFSMain.c
Problem Description: There is a syntax error in security.dat.
System Action: The DFS security server will not be started.
Administrator Action: Fix the error in security.dat and restart the hdm.

HDM0710 Gateway server failed getting DM file regions

Source Files Generating Error Message: hdm_hpPackage.c
Problem Description: Could not get region information for a file.
System Action: A force migrate will fail.
Administrator Action: Call support.

HDM0711 Gateway server failed getting rights

Source Files Generating Error Message: hdm_hpPackage.c
Problem Description: Could not get rights to access an object.
System Action: The hdm won't be able to invalidate cache.
Administrator Action: Call support.

HDM0712 Gateway server failed releasing rights

Source Files Generating Error Message: hdm_hpPackage.c
Problem Description: Could not release rights to an object. Should never happen.
System Action: None.
Administrator Action: None.

HDM0713 Gateway server failed setting DM attribute

Source Files Generating Error Message: hdm_hpPackage.c
Problem Description: Could not set dmapi attributes. Should never happen.
System Action: Attributes won't be set.
Administrator Action: None.

HDM0714 Gateway server failed removing dm attribute

Source Files Generating Error Message: hdm_hpPackage.c
Problem Description: Could not remove dmapi attributes. Should never happen.
System Action: Attributes will not be removed.
Administrator Action: None.

HDM0800 **Error %d returned from sec_rgy id_to_num converting a local user UUID.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0801 **Error %d returned from sec_rgy id_to_num converting a local group UUID.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0802 **Error %d from sec_rgy id_to_num on %d th local group in function %s.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0803 **HPSS Creds only handles 16 groups. In %s and there are %d DCE groups.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0804 **Error %d returned from sec_rgy id_to_num converting a remote user UUID.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0805 **Error %d returned from sec_rgy id_to_num converting remote group UUID.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0806 **Error %d from sec_rgy id_to_num on %d th remote group in function %s.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0807 The DFS auth structure indicates that this user is not authenticated.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0808 About to overwrite memory in %s. In the %s entry case.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0809 Error %d returned by local sec_rgy unix_num_to_id converting %s in %s.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0810 Error %d returned by remote sec_rgy unix_num_to_id converting %s in %s.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0811 Bad type %d for the ACL tag field in %s.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0812 Error %d returned from sec_acl_FlattenAcl.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0813 Error %d returned from sec_acl_ParseAcl.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0814 **Error %d returned by local sec_rgy id_to_unix_num converting %s in %s.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0815 **Error %d returned by remote sec_rgy id_to_unix_num converting %s in %s.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0816 **Error %d returned from GetCellId when called from %s.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0817 **Malloc in %s failed trying to get %s entry type.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0818 **Error %d returned from uuid_equal which was called from %s.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0819 **Id %d could not be found in CellMapTable. Search made in %s.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0820 **%s received SecRgyError %d when sec_rgy_site_open_query was called.**

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0821 %s received SecRgyError %d when sec_rgy_site_get was called.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0822 %s received SecError %d when sec_id_parse_name was called.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0823 rpc_string_free returned error %d.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0824 %s received SecRgyError %d when sec_rgy_pgo_get_next was called.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0825 %s received SecRgyError %d when sec_rgy_attr_lookup was called.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0826 %s received SecRgyError %d when sec_rgy_site_open was called.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0827 Expected sec_rgy_no_more_entries but got error %d instead.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0828 Error %d returned from GetRealmId.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0829 Error %d returned from GetCellId.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

HDM0830 Event handler received %d from InitACLCellMapping.

Source Files Generating Error Message: <text>
Problem Description: <text>
System Action: <text>
Administrator Action: <text>

Chapter 9

HPSS Security (HSEC Series)

HSEC0001 **SUBJECT: Peer user: <login name> peer uuid: <uuid> peer host: <host address> peer security label: <#>**

Source Files Generating Error Message: hsec.c

Problem Description: Security log audit message. Gives peer and end user information.

System Action: Normal processing continues.

Administrator Action: Review HPSS log to determine type of security audit message.

HSEC0002 **End user: <login name> end userid: <uuid> end user host: <host address> end user security label <#>**

Source Files Generating Error Message: hsec.c

Problem Description: Security log audit message. Gives peer and end user information.

System Action: Normal processing continues.

Administrator Action: Review HPSS log to determine type of security audit message.

HSEC0003 **EVENT: AUTH**

Source Files Generating Error Message: hsec.c

Problem Description: Authentication security log audit message. The attached SUBJECT message gives information on peer user and host. The message error code indicates if the authentication is successful (0) or not. A non-zero error

System Action: Normal processing continues.

Administrator Action: If the error code is non-zero, the security administrator should determine the cause of the penetration attempt and take appropriate actions.

HSEC0004 **EVENT: AUD_OPEN**

Source Files Generating Error Message: hsec.c

Problem Description: Security audit log open message. Not currently used.

System Action:

Administrator Action:

HSEC0005 **EVENT: CHMOD OBJECT: Version: <#> File: <file name> Handle: <name server object handle> File mode: <mode> File uid: <uid> File gid: <gid> File security label: <#>**

Source Files Generating Error Message: hsec.c

Problem Description: Security audit chmod log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the chmod operation. The CHMOD OBJECT message contains attributes of the file.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0006 **EVENT: CHOWN OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <mode> File uid : <uid> File gid: <gid> File security label: <#>**

Source Files Generating Error Message: hsec.c

Problem Description: Security audit chown log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the chown operation. The CHOWN OBJECT message contains file name, mode, and security label attributes of the file. The file uid and gid values are the requested chown uid and gid parameters.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0007 **EVENT: CREATE OBJECT: Version: %d File: %s Handle: %s File mode: %x File uid : %d File gid: %d File security label: %d" 8 " EVENT: LINK OBJECT: Version: %d From:**

Source Files Generating Error Message:

Problem Description:

System Action:

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0008 **EVENT: LINK OBJECT: Version: <#> From: <file name> Handle: <name server handle> To: <file name> Handle: <name server handle> Security Label: <#>**

Source Files Generating Error Message: hsec.c

Problem Description: Security audit link log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the link operation. The LINK OBJECT message contains the file names for the existing file to be created as well as the security label of the existing file.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0009 **EVENT: MKDIR OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <file mode> File uid: <uid> File gid: <gid> File security label: <#>**

Source Files Generating Error Message: hsec.c

Problem Description: Security audit mkdir log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the mkdir operation. The directory name and attributes are included in the MKDIR OBJECT message.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0010 **EVENT: OPEN OBJECT: Version: <#> Handle: <name server handle> BitfileId: <bitfile id> Flags: <open flags> Access time: <time> Modify time: <time>**

Source Files Generating Error Message: hsec.c

Problem Description: Security audit open log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the open operation. The OPEN OBJECT message includes the Name Server handle, the bitfile id, open flags, and Bitfile Server attributes.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0011 **EVENT: OPENDIR OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <mode> File uid: <id> File gid: <id> File security label: <#>**

Source Files Generating Error Message: hsec.c

Problem Description: Security audit open directory log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the opendir operation. The OPENDIR OBJECT message includes the requested directory name to open and the directory attributes.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0012 **EVENT: RENAME OBJECT: Version: <#> From: <file name> Handle: <name server handle> To: <file name> Handle: <name server handle> Security Label: <#>**

Source Files Generating Error Message: hsec.c

Problem Description: Security audit rename log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the rename operation. The RENAME OBJECT message includes the old and new file names and rename request parameters.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0013 **EVENT: RMDIR OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <mode> File uid : <id> File gid: <id> File security label: <#>**

Source Files Generating Error Message: hsec.c

Problem Description: Security audit rmdir log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the rmdir operation. The RMDIR OBJECT message includes the pathname in the rmdir request as well as the directory attributes.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0014 **EVENT: UNLINK OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <mode> File uid: <id> File gid: <id> File security label: <#>**

Source Files Generating Error Message: hsec.c

Problem Description: Security audit unlink log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the unlink operation. The UNLINK OBJECT message includes the file name in the unlink request as well as the file attributes.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0015 **EVENT: UTIME OBJECT: Version: <#> Bitfile: <file name> Handle: <name server handle> BitfileId: <bitfile id> Flags : <0> Access time: <time> Modify time: <time>**

Source Files Generating Error Message: hsec.c

Problem Description: Security audit utime log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the utime operation. The UTIME OBJECT message includes the bitfile identifier, access time, and modification time parameters included in the utime request.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0016 **EVENT: ACL_SET OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <mode> File uid: <id> File gid: <id> File security label: <#> ACL: <access control list>**

Source Files Generating Error Message: hsec.c

Problem Description: Security audit set acl log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the acl set operation. THE ACL_SEC OBJECT message includes the file name, attributes, and the ACL list being set.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0017 **EVENT: MAC_SET**

Source Files Generating Error Message: hsec.c

Problem Description: Not currently used.

System Action:

Administrator Action:

HSEC0018 EVENT: PRIV_SET

Source Files Generating Error Message: hsec.c

Problem Description: Not currently used.

System Action:

HSEC0019 EVENT: CHDIR OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <mode> File uid : <id> File gid: <id> File security label: <#>

Source Files Generating Error Message: hsec.c

Problem Description: Security audit chdir log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the chdir operation. The CHDIR OBJECT message includes the file name and attributes.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0020 EVENT: CHBFID OBJECT: Version: <#> File: <file name> Handle: <name server handle> BitfileId: <bitfile id>

Source Files Generating Error Message: hsec.c

Problem Description: Security audit change bitfile identifier operation log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the change bitfile id operation. The CHBFID OBJECT message includes the file name and bitfile identifier passed in the change bitfile id operation.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0021 EVENT: BFSETATTRS OBJECT: Version: <#> Handle: <name server handle> BitfileId: <bitfile id> Flags: <open flags> Access time: <time> Modify time: <time>

Source Files Generating Error Message: hsec.c

Problem Description: Security audit set bitfile attributes log message. The attached SUBJECT message gives information on the peer user, host, and end user requesting the set bitfile attributes operation. The BFSSETATTRS OBJECT message includes the Name Server handle and bitfile identifier for the bitfile being changed.

System Action: Normal processing continues.

Administrator Action: Security administrator should monitor the log for security audit messages with non-zero error codes and take actions based on site security policy.

HSEC0023 Error contacting DCE security registry

Source Files Generating Error Message: hsec.c

Problem Description: Error occurred when contacting the DCE security registry.

System Action: Error message detailing the DCE function which caused the error is logged and HSEC_ERGY is returned.

Administrator Action: Review the DCE references for error returns for the DCE function to determine what action to take.

HSEC0024 Error contacting DCE acl manager

Source Files Generating Error Message: hsec.c

Problem Description: Error occurred when contacting the DCE access list manager when checking on DCE security server status.

System Action: The HPSS Security server managed object is modified to indicate server status, operation state, and execution state, and normal processing is continued.

Administrator Action: Monitor security status. If the service status goes critical, restart DCE security processes.

HSEC0025 HPSS security library not initialized

Source Files Generating Error Message: gss_dce.c, hsec.c

Problem Description: Program has called an HPSS security function without first initializing the security library.

System Action: Function call is immediately returned with HSEC_ENOTINIT error.

Administrator Action: Contact support services.

HSEC0026 HPSS security authentication error. Client protection level less than server minimum

Source Files Generating Error Message: gss_dce.c

Problem Description: Client application protection level is less than that required by the server.

System Action: Function call is returned with HSEC_EAUTH_LEVEL error.

Administrator Action: Correct client ProtectionLevel configuration value to be equal to or greater than that of the server.

HSEC0027 HPSS security authorization error. Client authorization service less than server minimum

Source Files Generating Error Message: gss_dce.c

Problem Description: Client application authorization service is lower than that of the server. Generally, this means the server requires rpc_c_authz_dce and the client has specified rpc_c_authz_none.

System Action: Function call is returned with HSEC_EAUTHZ error.

Administrator Action: Correct client AuthorizationService configuration value to be the same as that of the server.

HSEC0028 Invalid authentication service specified in server configuration table

Source Files Generating Error Message: hsec.c

Problem Description: The authorization service specified in the server configuration is not valid.

System Action: Security library initialization is aborted and HSEC_EAUTH_SERVICE is returned.

Administrator Action: Correct server Authorization Service configuration value.

HSEC0029 Invalid protection level specified in server configuration table

Source Files Generating Error Message: hsec.c

Problem Description: The protection level specified in the server configuration is not valid.

System Action: Security library initialization is aborted and HSEC_EAUTH_LEVEL is returned.

Administrator Action: Correct server ProtectionLevel configuration value.

HSEC0030 Invalid authorization service specified in server configuration table

Source Files Generating Error Message: hsec.c

Problem Description: The authorization service specified in the server configuration is not valid.

System Action: Security library initialization is aborted and HSEC_EAUTHZ_SERVICE is returned.

Administrator Action: Correct server authorization configuration value.

HSEC0031 DCE error

Source Files Generating Error Message: hsec.c, gss_dce.c

Problem Description: An error occurred in a DCE library function call. The log message will contain detailed information regarding the function being called and the error that occurred.

System Action: The security library returns the error to the caller.

Administrator Action: Review the DCE programmers reference for the errors returned by the function indicated in the log message and take appropriate action.

HSEC0032 User: <user name> has invalid account index in DCE registry

Source Files Generating Error Message: hsec.c

Problem Description: The indicated user has a malformed account index specified in the DCE security registry. The registry account index is a string of digits preceded by the keyword AA=. The user's default account index is determined by this value which is included in the gecos field of the account record. This can be modified with the rgy_edit utility. If an account index is not given in the account record, accounting is based of the user's id.

System Action: The default account index for this user is set to 0. Normal processing continues.

Administrator Action: If site accounting is being used, run rgy_edit utility to correct the gecos field specification of the account index.

HSEC0033 User: <user name> default account index = <#>

Source Files Generating Error Message: hsec.c

Problem Description: Trace message indicating the account index that will be used as default for the specified user.

System Action: Normal processing continues.

Administrator Action: No action required.

HSEC0034 End user: <name> end userid: <id> end user host: <host address> end user security label <#>

Source Files Generating Error Message: hsec.c

Problem Description: This message gives details about the end user. It is included in a security audit log message.

System Action: Normal processing continues.

Administrator Action: Take action based on audit event.

HSEC0035 **user:<user id>:<permissions>**

Source Files Generating Error Message: hsec.c

Problem Description: This message details an access control list user entry. It is included in a security audit setacl log message.

System Action: Normal processing continues.

Administrator Action: Take action based on audit event.

HSEC0036 **user:<user name>:<permissions>**

Source Files Generating Error Message: hsec.c

Problem Description: This message details an access control list user entry. It is included in a security audit setacl log message.

System Action: Normal processing continues.

Administrator Action: Take action based on audit event.

HSEC0037 **group:<group id>:<permissions>**

Source Files Generating Error Message: hsec.c

Problem Description: This message details an access control list group entry. It is included in a security audit setacl log message.

System Action: Normal processing continues.

Administrator Action: Take action based on audit event.

HSEC0038 **group:<group name>:<permissions>**

Source Files Generating Error Message: hsec.c

Problem Description: This message details an access control list group entry. It is included in a security audit setacl log message.

System Action: Normal processing continues.

Administrator Action: Take action based on audit event.

HSEC0039 **other:<id>:<permissions>**

Source Files Generating Error Message: hsec.c

Problem Description: This message details an access control list other entry. It is included in a security audit setacl log message.

System Action: Normal processing continues.

Administrator Action: Take action based on audit event.

HSEC0040 **account:<id>:<permissions>**

Source Files Generating Error Message: hsec.c

Problem Description: This message details an access control list account entry. It is included in a security audit setacl log message.

System Action: Normal processing continues.

Administrator Action: Take action based on audit event.

HSEC0041 location:<id>:<permissions>

Source Files Generating Error Message: hsec.c

Problem Description: This message details an access control list location entry. It is included in a security audit setacl log message.

System Action: Normal processing continues.

Administrator Action: Take action based on audit event.

HSEC0042 deleted:<id>:<permissions>

Source Files Generating Error Message: hsec.c

Problem Description: This message details an access control list deleted entry. It is included in a security audit setacl log message.

System Action: Normal processing continues.

Administrator Action: Take action based on audit event.

HSEC0043 Unknown ACL type

Source Files Generating Error Message: hsec.c

Problem Description: An unknown ACL entry type was encountered while formatting a security audit setacl record.

System Action: This entry is ignored and processing continues.

Administrator Action: Contact software support.

HSEC0044 Trusted Cell Information

Source Files Generating Error Message: hsec.c

Problem Description: A requested entry was not found in the Trusted Cell Table. Either new Trusted Cells have been added since the HPSS system was started or a Trusted Cell is not responding.

System Action: Processing continues after replying with error.

Administrative Action: If new Trusted cells have been added to the DCE Security Registry, cycle ALL HPSS servers. If foreign cell is not responding, determine if the problem is a temporary network communications problem. If the network is functional, contact the DCE Administrators for the local cell and the foreign cell to correct problems.

Chapter 10

Location Client (LCLI Series)

LCLI0113 Out of memory (object: <info>)

Source Files Generating Error Message: ls_ClientLib.c, ls_Common.c
Problem Description: A memory block could not be allocated with malloc().
System Action: An error will be returned to the client.
Administrator Action: Fix system memory shortage problem.

LCLI0114 Invalid connection state (<info>)

Source Files Generating Error Message: ls_Common.c
Problem Description: Invalid RPC connection state. This is an internal error and should never occur.
System Action: An error will be returned to the client.
Administrator Action: Contact HPSS support.

LCLI0115 Failed to initialize a pthread cond var (<info>)

Source Files Generating Error Message: ls_Common.c
Problem Description: Failed to initialize a condition variable. This error should never occur.
System Action: An error will be returned to the client.
Administrator Action: Contact HPSS support.

LCLI0116 Failed to destroy a pthread cond var (<info>)

Source Files Generating Error Message: ls_Common.c
Problem Description: Failed to destroy a condition variable. This error should never occur.
System Action: An error will be returned to the client.
Administrator Action: Contact HPSS support.

LCLI0118 Failed to broadcast on a cond var (<info>)

Source Files Generating Error Message: ls_Common.c
Problem Description: Failed to broadcast a signal to a condition variable. This error should never occur.
System Action: An error will be returned to the client.
Administrator Action: Contact HPSS support.

LCLI0120 Failed to initialize a pthread mutex (<mutex name>)

Source Files Generating Error Message: ls_ClientLib.c, ls_Common.c

Problem Description: Failed to initialize the specified mutex lock. This error should never occur. It may indicate a possible out of memory condition.

System Action: An error will be returned to the client.

Administrator Action: Check for a possible out of memory condition. Otherwise contact HPSS support.

LCLI0121 Failed to destroy a pthread mutex (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to destroy a mutex lock. This error should never occur.

System Action: An error will be returned to the client.

Administrator Action: Contact HPSS support.

LCLI0122 Failed to lock a pthread mutex (<info>)

Source Files Generating Error Message: ls_ClientLib.c, ls_Common.c

Problem Description: Failed to lock a mutex lock. This error should never occur.

System Action: An error will be returned to the client.

Administrator Action: Contact HPSS support.

LCLI0123 Failed to unlock a pthread mutex (<info>)

Source Files Generating Error Message: ls_ClientLib.c, ls_Common.c

Problem Description: Failed to unlock a mutex lock. This error should never occur.

System Action: An error will be returned to the client.

Administrator Action: Contact HPSS support.

LCLI0125 Failed to setup a timed interval (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to compute a time interval before waiting on a condition variable. This error should never occur.

System Action: An error will be returned to the client.

Administrator Action: Contact HPSS support.

LCLI0142 Can’t free rpc string (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: A DCE allocated string could not be freed. This error should never occur.

System Action: An error will be returned to the client.

Administrator Action: Contact HPSS support.

LCLI0143 Couldn't locate a random LS, coding error (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to locate a random Location Server to bind to. This error should never occur and denotes a coding error.

System Action: An error will be returned to the client.

Administrator Action: Contact HPSS support.

LCLI0151 Failed to create mutex attributes (<info>)

Source Files Generating Error Message: ls_ClientLib.c

Problem Description: Failed to create mutex attributes. This error should never occur.

System Action: An error will be returned to the client.

Administrator Action: Contact HPSS support.

LCLI0152 Failed to set non-recursive mutex attrs (<info>)

Source Files Generating Error Message: ls_ClientLib.c

Problem Description: Failed to default mutex attributes to non-recursive. This error should never occur.

System Action: An error will be returned to the client.

Administrator Action: Contact HPSS support.

LCLI0300 Assertion Failed: <expression>

Source Files Generating Error Message: ls_ClientLib.c, ls_Common.c

Problem Description: Denotes an internal inconsistency. This error should never occur.

System Action: None.

Administrator Action: Report the error to HPSS support.

LCLI0403 Failed to open a DCE rpcgroup (<group name>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Couldn't find or read the specified RPC group during a connection attempt.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the rpc group name is valid, that it exists in CDS and that the client has permissions to open it.

LCLI0404 Failed to close a DCE rpcgroup (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to close the specified RPC group. This error should never occur.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Contact HPSS support.

LCLI0405 Failure trying to access an rpcgroup entry (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to read the specified RPC group. The RPC group may be misconfigured.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the RPC group name is valid, that it exists in CDS and that the client has permissions to read it.

LCLI0407 Failed to perform timedwait on a cond var (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to perform a timed wait on a condition variable. This error should never occur.

System Action: An error will be returned to the client.

Administrator Action: Contact HPSS support.

LCLI0416 A bad UUID was received (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: A UUID with an invalid format was detected. This error should never occur.

System Action: The client will not be able to connect to the Location Server.

Administrator Action: Contact HPSS support. Locate and fix the bad uuid.

LCLI0430 Failed to open a connection (<service>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to open an HPSS connection to the service specified.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the server is running and that the client has access to it.

LCLI0431 Failed to get an rpc handle (<server, error msg>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to obtain an RPC binding handle for the specified server.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the server is up and that its bindings are published under the correct CDS path.

LCLI0432 Can’t find rpc service (<server, error msg>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to locate bindings for specified server.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the server is up and that its bindings are published under the correct CDS path.

LCLI0447 Released bad connection (<server>)

Source Files Generating Error Message: ls_Common.c

Problem Description: A bad connection has been released.

System Action: None.

Administrator Action: None.

LCLI0455 Failed to cleanup a bad connection (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: A thread has been waiting a long time for another thread to stop using a bad connection handle. This error should be very rare.

System Action: The request will be dropped with an error and later retried.

Administrator Action: View the log to determine if there is a communication problem. If this problem persists, contact HPSS support.

LCLI0456 Exception caught during RPC (<info>)

Source Files Generating Error Message: ls_ClientLib.c

Problem Description: A runtime exception was generated during an RPC made by the client to a Location Server. This error should never occur.

System Action: An error is returned to the client/caller. The call will eventually be retried.

Administrator Action: Contact HPSS support.

LCLI0461 RPC group does not exist (<rpcgroup>)

Source Files Generating Error Message: ls_Common.c

Problem Description: The specified rpcgroup does not exist.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the specified RPC group exists and that the client has permissions to access it.

LCLI0462 RPC group is configured improperly (<rpcgroup>)

Source Files Generating Error Message: ls_Common.c

Problem Description: The RPC group specified appears to be configured improperly or inconsistent.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the specified RPC group exists and its entries appear valid. If the problem persists, shutdown the Location Server, delete the RPC group with dcecp, and restart the Location Server. Make sure DCE is working properly.

LCLI0707 Entering: <function name>

Source Files Generating Error Message: None.

Problem Description: This message is currently unused.

System Action: None.

Administrator Action: None.

LCLI0708 Leaving: <function name>

Source Files Generating Error Message: None.

Problem Description: This message is currently unused.

System Action: None.

Administrator Action: None.

LCLI0900 Invalid LS Environment Variable (<info>)

Source Files Generating Error Message: ls_ClientLib.c

Problem Description: The CDS path for the Location Server RPC group is invalid.

System Action: The client will be unable to contact the Location Server.

Administrator Action: Fix the environment variable and restart the client.

LCLI0901 No LS Environment variable, default used (<info>)

Source Files Generating Error Message: ls_ClientLib.c

Problem Description: No environment variable was setup for the Location Server RPC group. The default group name was used instead.

System Action: None.

Administrator Action: None. Unless the client is having trouble connecting to the Location Server. If so, make sure the variable is set to the proper CDS path of the RPC group.

LCLI0902 Server returned invalid cell name (<info>)

Source Files Generating Error Message: ls_ClientLib.c

Problem Description: During Location Client initialization, the Location Server returned an invalid cell name. This error should never appear.

System Action: An error is returned to the client. The client will not be able to contact the Location Server.

Administrator Action: Try to determine if this may have been caused by a communication failure. Report this error to HPSS support.

LCLI0903 Trouble contacting a location server (<rpcgroup name>)

Source Files Generating Error Message: ls_ClientLib.c

Problem Description: The Location Client is having trouble contacting the Location Server after several tries.

System Action: An error is returned to the client.

Administrator Action: Make sure the Location Server is running and that the client has permissions to access it.

Chapter 11

Logging Interface Error Messages (LOG_ Series)

LOG_0001 Logging Services shared memory could not be located

Source Files Generating Error Message: cs_LogInit.c

Problem Description: Logging Services could not obtain the ID for its shared memory region.

System Action: Messages will only be logged to syslog, and not to the central or local log files. In addition, alarm and event messages will not be sent to SSM.

Administrator Action: The Log Client is probably not executing. Start the Log Client on the node from which the message is being received.

LOG_0002 Application Message Catalog open failed

Source Files Generating Error Message: cs_LogInit.c

Problem Description: An application specific message catalog containing displayable text could not be opened. Default text messages will be output.

System Action: Default messages will be output. The default messages will be in English only.

Administrator Action: Check the NLSPATH environment variable to make sure the HPSS message catalog path is included.

LOG_0003 Master Message Catalog open failed

Source Files Generating Error Message: cs_LogInit.c

Problem Description: The HPSS master message catalog containing displayable text could not be opened. Default text messages will be output.

System Action: Default messages will be output. The default messages will be in English only.

Administrator Action: Check the NLSPATH environment variable to make sure the HPSS message catalog path is included.

LOG_0004 Attach to Logging Services shared memory failed

Source Files Generating Error Message: cs_LogInit.c

Problem Description: An HPSS server could not attach to the shared memory region allocated by the Log Client.

System Action: Messages will only be logged to syslog, and not to the central or local log files. In addition, alarm and event messages will not be sent to SSM.

Administrator Action: The Log Client is probably not executing. Start the Log Client on the node from which the message is being received.

LOG_0005 Socket connect to Log Client failed

Source Files Generating Error Message: cs_LogInit.c

Problem Description: An attempt to connect to the socket for communication with the Log Client failed. The Log Client may not be executing.

System Action: Messages will not be logged nor sent to the Log Client until there is a successful connect. The software will retry the connect each time another is sent to be logged.

Administrator Action: Check to verify that the Log Client for the node from which the message is being generated is executing. It may be necessary to restart the Log Client.

LOG_0006 Invalid value for environment variable HPSSLOG_SHMKEY

Source Files Generating Error Message: cs_LogInit.c

Problem Description: The environment variable HPSSLOG_SHMKEY has been specified, but the value is not a valid numeric value. This environment variable is used to supply a non-default key value for the Log Client shared memory region.

System Action: Server initialization for the server will fail.

Administrator Action: Correct the HPSSLOG_SHMKEY environment variable value to be a valid numeric value.

LOG_0007 Initialization of a condition variable failed

Source Files Generating Error Message: cs_LogInit.c

Problem Description: An attempt to create a mutex failed. Either the system lacked sufficient memory to perform the operation of the number of mutexes for this user has exceeded the system limit.

System Action: Log Initialization will return a failing error, and the HPSS server will terminate.

Administrator Action: Check to determine why there are insufficient resources. Restart the failed server when resources are available.

LOG_0010 Number of bytes to be logged is too large

Source Files Generating Error Message: cs_Msg.c

Problem Description: The message to be logged exceeds the maximum length allowed.

System Action: The message will not be logged.

Administrator Action: None.

LOG_0011 Allocation of logging buffer failed

Source Files Generating Error Message: cs_Msg.c

Problem Description: A log output buffer could not be allocated.

System Action: The message will not be logged.

Administrator Action: There is insufficient memory to log the message. Determine why the system is out of memory.

LOG_0012 Semaphore acquire operation failed

Source Files Generating Error Message: cs_Msg.c

Problem Description: The associated server could not obtain a semaphore. Most probable reason is that somehow the semaphore has been removed.

System Action: The message will still be logged, but an error code is returned to the HPSS server.

Administrator Action: None

LOG_0013 Semaphore release operation failed

Source Files Generating Error Message: cs_Msg.c

Problem Description: The associated server could not release a semaphore. Most probable reason is that somehow the semaphore has been removed.

System Action: The message will still be logged, but an error code is returned to the HPSS server.

Administrator Action: None

LOG_0014 Message not found in message catalog

Source Files Generating Error Message: cs_Msg.c

Problem Description: An HPSS program specified a message number that could not be located in the message catalog.

System Action: A default messages will be output. The default message will be in English only.

Administrator Action: Check the NLSPATH environment variable to make sure the HPSS message catalog path is included.

LOG_0015 Logging policy not found—logging enabled for all types except TRACE

Source Files Generating Error Message: cs_Msg.c

Problem Description: A log policy configuration entry could not be found for the server.

System Action: Processing will continue with logging enabled for all message types, except for TRACE.

Administrator Action: If logging policy to filter logged messages is desired, call up the Log Policy configuration display to add an entry for the server associated with this message.

LOG_0016 Invalid severity level detected

Source Files Generating Error Message: cs_Msg.c, logc_format_rechdr.c

Problem Description: A severity level other that NONE, WARNING, MINOR, MAJOR, CRITICAL, INDETERMINATE, or CLEARED was detected.

System Action: The invalid message will be not be logged or sent to SSM.

Administrator Action: None.

LOG_0021 Wait on a condition variable failed

Source Files Generating Error Message: cs_LogSend.c

Problem Description: A wait on a condition variable failed. This error should not occur.

System Action: A message will not be successfully logged.

Administrator Action: Report this problem. If the problem persists, it may be necessary to recycle the server receiving the error.

LOG_0022 Signal to wake a condition variable failed

Source Files Generating Error Message: cs_LogSend.c

Problem Description: An attempt to wake up the thread waiting on a condition variable failed. This error should not occur.

System Action: A message will not be successfully logged.

Administrator Action: Report this problem. If the problem persists, it may be necessary to recycle the server receiving the error.

LOG_0130 Socket create failed

Source Files Generating Error Message: cs_LogConnect.c

Problem Description: The creation of a socket to transfer log messages from a server to the Log Client failed. The system may lack resources to complete the operation.

System Action: The server will terminate.

Administrator Action: Restart the server when resources are available.

LOGC0131 Host name could not be determined

Source Files Generating Error Message: cs_LogConnect.c

Problem Description: A call to get the name of the local host on which the server is executing failed. This error should not occur.

System Action: The server will terminate.

Administrator Action: Restart the server .

LOG_0190 Initialization of a mutex failed.

Source Files Generating Error Message: cs_LogInit.c

Problem Description: An attempt to create a mutex failed. Either the system lacked sufficient memory to perform the operation or the number of mutexes for this user has exceeded the system limit.

System Action: Log Initialization will return a failing error, and the HPSS server will terminate.

Administrator Action: Check to determine why there is either insufficient memory or the number of mutexes has exceeded the system limit. Restart the failed server when resources are available.

LOG_0230 Invalid request message type received

Source Files Generating Error Message: cs_Msg.c

Problem Description: An valid message type was detected for a log record. For REQUESTs, a type other than TEXT_REQUEST, IOD_REQUEST, IOR_REQUEST, or PIOFS_REQUEST was detected.

System Action: The invalid message will be not be logged.

Administrator Action: None

LOG_0231 Invalid log record type received

Source Files Generating Error Message: cs_Msg.c

Problem Description: A record type other than ALARM, EVENT, REQUEST, SECURITY, ACCOUNTING, DEBUG, STATUS or TRACE was detected.

System Action: The invalid message will be not be logged.

Administrator Action: None.

LOG_0243 Socket write failed—incorrect byte count detected

Source Files Generating Error Message: cs_LogSend.c

Problem Description: The transfer of a log message from a server to the Log Client returned an invalid byte count. This error should not occur.

System Action: The log message may be missing or incomplete.

Administrator Action: None

LOG_0561 Setting of socket options failed

Source Files Generating Error Message: cs_LogConnect.c

Problem Description: An attempt to set the logging socket options failed. This error should not occur.

System Action: A message will not be successfully logged.

Administrator Action: Report this problem. If the problem persists, it may be necessary to recycle the server receiving the error.

LOG_0584 Invalid log record type detected

Source Files Generating Error Message: cs_Msg.c, logcm_format_rechdr.c

Problem Description: A record type other than ALARM, EVENT, REQUEST, SECURITY, ACCOUNTING, DEBUG, or TRACE was detected. The invalid log record will not be logged.

System Action: None. The server will continue to execute.

Administrator Action: None.

LOG_0590 Invalid log message type detected

Source Files Generating Error Message: cs_Msg.c, logcm_format_rechdr.c

Problem Description: An invalid message type was detected for a log record. For ALARMs, a type other than SERVICE_DEGRADATION, SECURITY_VIOLATION, SOFTWARE_ERROR, HARDWARE_ERROR, COMMUNICATION_ERROR, or THRESHOLD was detected. For EVENTs, a type other than OBJECT_CREATION, OBJECT_DELETION, OPERATION_INITIATION, OPERATION_COMPLETION, or OTHER_EVENT was detected. For REQUESTs, a type other than TEXT_REQUEST, IOD_REQUEST, IOR_REQUEST, or PIOFS_REQUEST was detected.

System Action: The invalid message will be ignored.

Administrator Action: None.

Chapter 12

Log Client Error Messages (LOGC Series)

LOGC0001 Logging Services shared memory could not be located

Source Files Generating Error Message: logc_main.c

Problem Description: The Log Client could not obtain the ID for its shared memory region.

System Action: The Log Client will terminate.

Administrator Action: The shared memory id may already exist, or the max number of shared memory ids may have been exceeded. Determine the reason for the memory shortage.

LOGC0004 Attach to Logging Services shared memory failed

Source Files Generating Error Message: logc_main.c

Problem Description: The Log Client could not attach its shared memory region.

System Action: The Log Client will terminate.

Administrator Action: The system may be out of data space. Determine the reason for the memory shortage.

LOGC0006 Invalid value for environment variable HPSSLOG_SHMKEY

Source Files Generating Error Message: logc_main.c

Problem Description: The environment variable HPSSLOG_SHMKEY has been specified, but the value is not a valid numeric value. This environment variable is used to supply a non-default key value for the Log Client shared memory region.

System Action: The Log Client will terminate.

Administrator Action: Correct the HPSSLOG_SHMKEY environment variable value to be a valid numeric value.

LOGC0011 Allocation of logging buffer failed

Source Files Generating Error Message: logc_iodior.c

Problem Description: A log output buffer could not be allocated.

System Action: The Log Client will terminate.

Administrator Action: There is insufficient memory to log the message. Determine why the system is out of memory.

LOGC0012 Semaphore acquire operation failed

Source Files Generating Error Message: logc_init_policy.c

Problem Description: The associated server could not obtain a semaphore. Most probable reason is that somehow the semaphore has been removed.

System Action: The Log Client will issue a message, but continue to execute.

Administrator Action: None

LOGC0013 Semaphore release operation failed

Source Files Generating Error Message: logc_init_policy.c

Problem Description: The associated server could not release a semaphore. Most probable reason is that somehow the semaphore has been removed.

System Action: The Log Client will issue a message, but continue to execute.

Administrator Action: None

LOGC0100 Error entering connection to get Log Client attributes

Source Files Generating Error Message: logc_ServerGetAttrs.c

Problem Description: When attempting to process a request to get the Log Client attributes, a problem with the connection to the client application was detected.

System Action: The request to get the Log Client attributes will fail. The Log Client will continue to execute.

Administrator Action: Resubmit the get attributes request. If the problem persists, recycle the Log Client. There may also be a problem with SSM.

LOGC0101 Error leaving connection to get Log Client attributes

Source Files Generating Error Message: logc_ServerGetAttrs.c

Problem Description: When attempting to process a request to get the Log Client attributes, a problem with the connection was detected.

System Action: The request to get the Log Client attributes will fail. The Log Client will continue to execute.

Administrator Action: Resubmit the get attributes request. If the problem persists, recycle the Log Client. There may also be a problem with SSM.

LOGC0110 Error entering connection to set Log Client attributes

Source Files Generating Error Message: logc_ServerGetAttrs.c

Problem Description: When attempting to process a request to set the Log Client attributes, a problem with the connection to the client application was detected.

System Action: The request to set the Log Client attributes will fail. The Log Client will continue to execute.

Administrator Action: Resubmit the set attributes request. If the problem persists, recycle the Log Client. There may also be a problem with SSM.

LOGC0111 Log Client reinitialization request received

Source Files Generating Error Message: logc_ServerGetAttrs.c

Problem Description: A request to reinitialize the Log Client was received. The Log Client configuration file and log policy file will be reinitialized.

System Action: None, informational.

Administrator Action: None.

LOGC0112 Error leaving connection to set Log Client attributes

Source Files Generating Error Message: logc_ServerGetAttrs.c

Problem Description: When attempting to process a request to set the Log Client attributes, a problem with the connection was detected.

System Action: The request to set the Log Client attributes will fail. The Log Client will continue to execute.

Administrator Action: Resubmit the set attributes request. If the problem persists, recycle the Log Client. There may also be a problem with SSM.

LOGC0113 Attribute specified is not settable

Source Files Generating Error Message: logc_ServerGetAttrs.c

Problem Description: The managed object attribute specified is not settable.

System Action: The request to set the attribute will fail.

Administrator Action: None.

LOGC0114 Security audit message failed

Source Files Generating Error Message: logc_ServerSetAttrs.c

Problem Description: The attempt to generate a security audit message failed. This error should not occur.

System Action: A security audit message will not appear in the HPSS log. The Log Client will continue executing.

Administrator Action: None.

LOGC0120 Removal of Logging Services semaphore failed

Source Files Generating Error Message: logc_cleanup.c

Problem Description: Removal of the Logging Services semaphore at 1) Log Client termination or 2) Log Client initialization when an old semaphore was detected was unsuccessful. This error should not occur.

System Action: A semaphore may remain allocated.

Administrator Action: If semaphores accumulate, remove semaphores with the ipcrm command.

LOGC0121 Removal of Logging Services shared memory failed

Source Files Generating Error Message: logc_cleanup.c

Problem Description: Removal of the Logging Services shared memory at Log Client termination was unsuccessful. This error should not occur.

System Action: Shared memory may remain allocated.

Administrator Action: If shared memory regions accumulate, remove shared memory with the ipcrm command.

LOGC0122 Socket descriptor close failed

Source Files Generating Error Message: logc_cleanup.c

Problem Description: A close of the socket descriptor (for message transfers to the Log Daemon) at Log Client termination failed.

System Action: None; the system will close open file descriptors.

Administrator Action: None.

LOGC0123 Purge of login context failed

Source Files Generating Error Message: logc_cleanup.c

Problem Description: The purge of the Log Client login context failed during Log Client termination.

System Action: None. The Log Client was exiting when the error occurred.

Administrator Action: None.

LOGC0124 Unregister of SSM interface failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logc_ssm_cleanup.c

Problem Description: The SSM interface for getting and setting Log Client managed object attributes could not be unregistered.

System Action: None. The Log Client was in process of exiting when the error occurred.

Administrator Action: Consult the DCE documentation for actions associated with the DCE message.

LOGC0125 Unregister of connection manager interface failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logc_cleanup.c

Problem Description: The interface for the HPSS connection manager could not be unregistered during Log Client termination.

System Action: None. The Log Client was exiting when the error occurred.

Administrator Action: None.

LOGC0126 Close of SSM connection handle failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logc_cleanup.c, logc_reconnect_ssm_thread.c

Problem Description: The close of the Log Client connection handle for interfacing with SSM failed.

System Action: None. The Log Client was exiting when the error occurred.

Administrator Action: None.

LOGC0130 Socket create failed

Source Files Generating Error Message: logc_connect.c

Problem Description: The creation of a socket to transfer log messages from the Log Client to the Log Daemon failed. The system may lack resources to complete the operation.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client when resources are available.

LOGC0131 Host name could not be determined

Source Files Generating Error Message: logc_connect.c

Problem Description: A call to get the name of the local host on which the Log Client is executing failed. This error should not occur.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client.

LOGC0140 XDR encoding error

Source Files Generating Error Message: logc_encode.c

Problem Description: An error occurred while encoding the log message to be sent to the Log Daemon. This error should not occur. If it does, a message record in the log will contain invalid information.

System Action: The Log Client will continue to execute.

Administrator Action: None.

LOGC0150 Log Client terminating

Source Files Generating Error Message: logc_fail.c

Problem Description: The Log Client is terminating execution.

System Action: None, informational.

Administrator Action: None

LOGC0151 Lock of mutex failed

Source Files Generating Error Message: logc_fail.c, logc_ssm_fail.c, logc_reconnect_ssm.c, logc_reconnect_ssm_thread.c, logc_sig_thread.c, logc_ssm_sig_thread.c

Problem Description: The Log Client was unable to lock a mutex. This error should never occur.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client. If the problem persists, the system may require recycling.

LOGC0160 HPSS server configuration file open failed - %s
(%s is an SFS message)

Source Files Generating Error Message: logc_init_config.c

Problem Description: The Log Client was unable to open the HPSS server configuration file.

System Action: The Log Client will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Client.

LOGC0161 Log Client server configuration entry does not exist

Source Files Generating Error Message: logc_init_config.c

Problem Description: There is no entry in the HPSS server configuration file for the Log Client.

System Action: The Log Client will terminate.

Administrator Action: From the Special list of displays, select the Modify HPSS Metadata display. From that display call up the HPSS Server Configuration display. Enter the required information to define a Log Client entry in the server configuration file.

LOGC0162 Log Client server configuration entry read failed

Source Files Generating Error Message: logc_init_config.c

Problem Description: The Log Client was unable to read its entry from the HPSS server configuration file.

System Action: The Log Client will terminate.

Administrator Action: From the Admin option, select Configure HPSS. From that display, select Server Configuration. Enter the required information to define a Log Client entry in the server configuration file. Also define the Log Client configuration file entry if one does not exist.

LOGC0163 Security initialization failed

Source Files Generating Error Message: logc_init_config.c

Problem Description: The Log Client could not successfully initialize the HPSS security library. There was an error contacting the security registry.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client. If the problem persists, view the HPSS log to determine the error code associated with the failure. Consult the DCE documentation for actions to take.

LOGC0164 Initialization of authorization vector failed

Source Files Generating Error Message: logc_init_config.c

Problem Description: The authorization vector of servers which can interface with the Log Client could not be initialized. There is insufficient memory to perform the operation.

System Action: The Log Client will terminate.

Administrator Action: Determine why there is a shortage of memory, and correct the condition. Restart the Log Client when the condition clears.

LOGC0165 Addition of SSM server to authorization vector failed

Source Files Generating Error Message: logc_init_config.c

Problem Description: The SSM server principal name could not be added to the authorization vector which defines those authorized servers which can interface with the Log Client. Either there was insufficient memory to perform the operation, or there is a problem with the security registry.

System Action: The Log Client will terminate.

Administrator Action: Resubmit the Log Client. If the problem persists, view the HPSS log to determine the error code associated with the failure. If there is a problem with the security registry, consult the DCE documentation for actions to take.

LOGC0166 SSM server configuration entry does not exist

Source Files Generating Error Message: logc_init_config.c

Problem Description: There is no entry in the SSM server configuration file for the Log Client.

System Action: The Log Client will terminate.

Administrator Action: From the Admin option, select Configure HPSS. From that display, select Server Configuration. Select the Log Client Server Configuration file entry, and verify that the SSM Server ID matches the Server ID for the SSM Server Configuration entry. If not, modify the Log Client entry in the Server Configuration entry to contain the correct server id.

LOGC0167 SSM server configuration entry read failed

Source Files Generating Error Message: logc_init_config.c

Problem Description: The Log Client was unable to read the SSM entry from the HPSS server configuration file.

System Action: The Log Client will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Client.

LOGC0168 HPSS server configuration file close failed

Source Files Generating Error Message: logc_init_config.c

Problem Description: The Log Client was unable to close the HPSS Server Config file.

System Action: The Log Client will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Client.

LOGC0169 Log Client configuration file open failed - %s

Source Files Generating Error Message: logc_init_config.c

Problem Description: The Log Client was unable to open its configuration file.

System Action: The Log Client will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Client.

LOGC0170 Log Client configuration record not found

Source Files Generating Error Message: logc_init_config.c

Problem Description: The Log Client was unable to open its configuration file since it does not exist.

System Action: The Log Client will terminate.

Administrator Action: From the Admin option, select Configure HPSS. From that display, select Log Client. Add a Log Client configuration file entry.

LOGC0171 Log Client configuration record read failed

Source Files Generating Error Message: logc_init_config.c

Problem Description: The Log Client was unable to read its configuration file.

System Action: The Log Client will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Client.

LOGC0172 Log Client configuration file close failed

Source Files Generating Error Message: logc_init_config.c

Problem Description: The Log Client was unable to close its configuration file.

System Action: The Log Client will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Client.

LOGC0173 Log Client options PRT_LOG/PRT_STDOUT are mutually exclusive - STDOUT disabled

Source Files Generating Error Message: logc_init_config.c

Problem Description: In the Log Client configuration file, the option to send log messages to the local log file and stdout were specified. These two options are mutually exclusive.

System Action: The Log Client will continue executing, but the stdout option will be ignored.

Administrator Action: None, unless it is preferable to have log messages sent to stdout instead of the local log file. If so, shutdown the Log Client, modify the Log Client configuration file to turn off the local log option, and resubmit the Log Client.

LOGC0174 Connection preinitialization failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logc_init_config.c

Problem Description: The initialization of the connection manager (prior to Encina initialization) failed.

System Action: The Log Client will terminate.

Administrator Action: Consult the DCE documentation for actions associated with the DCE message.

LOGC0175 Preregistration of Log Client SSM I/F failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logc_ssm_init_config.c

Problem Description: The SSM interface for getting and setting Log Client managed object attributes could not be pre-registered.

System Action: The Log Client will terminate.

Administrator Action: Consult the DCE documentation for actions associated with the DCE message.

LOGC0176 Connection initialization failed

Source Files Generating Error Message: logc_ssm_init_config.c

Problem Description: The interface to initialize connections for client get / set attribute requests failed. The system may lack resources to complete the operation.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client when resources are available.

LOGC0177 Log Daemon server configuration entry does not exist

Source Files Generating Error Message: logc_init_config.c

Problem Description: There is no entry in the HPSS server configuration file for the Log Daemon.

System Action: If "Log Daemon" is set in the Log Client configuration file "Send Log Messages To:" option, the Log Client will terminate. Otherwise, no Log Daemon entry is required, and the Log Client will continue to execute.

Administrator Action: Add a Log Daemon entry to the Server Configuration file, and a Log Daemon configuration file entry.

LOGC0178 Log Daemon server configuration entry read failed

Source Files Generating Error Message: logc_init_config.c

Problem Description: The Log Client was unable to read the Log Daemon entry from the Server Configuration file.

System Action: If "Log Daemon" is set in the Log Client configuration file "Send Log Messages To:" option, the Log Client will terminate. Otherwise, no Log Daemon entry is required, and the Log Client will continue to execute.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Client.

LOGC0180 Log policy configuration file open failed - %s
(%s is an SFS message)

Source Files Generating Error Message: logc_init_policy.c

Problem Description: The Log Client was unable to open the log policy configuration file.

System Action: The Log Client will continue to execute, and use the default log policy.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Client.

LOGC0181 Log policy configuration record not found

Source Files Generating Error Message: logc_init_policy.c

Problem Description: The Log Client was unable to open the log policy configuration file since it does not exist.

System Action: The Log Client will continue to execute, and use the default log policy.

Administrator Action: From the Admin option, select Configure HPSS. From that display, select Log Client. Verify that the Policy File name is correct.

LOGC0182 Log policy configuration record read failed

Source Files Generating Error Message: logc_init_config.c

Problem Description: The Log Client was unable to read the log policy configuration file. A default logging policy will be used.

System Action: The Log Client will continue to execute, and use the default log policy.

Administrator Action: Determine if SFS is still executing. If not, restart SFS. Once any problems with the Log Policy have been corrected, set the Log Client Administrative State to REINITIALIZE in order to access the log policy records.

LOGC0183 Log policy configuration file close failed

Source Files Generating Error Message: logc_init_config.c

Problem Description: The Log Client was unable to close the log policy configuration file.

System Action: The Log Client will continue to execute.

Administrator Action: Determine if SFS is still executing. If not, restart SFS.

LOGC0190 Initialization of a mutex failed

Source Files Generating Error Message: logc_main.c

Problem Description: The Log Client was unable to create a mutex. Either the System lacked sufficient memory to perform the operation or number of mutexes created for this user has exceeded the system limit.

System Action: The Log Client will terminate.

Administrator Action: Resubmit the Log Client when resources are available.

LOGC0191 Creation of signal handling thread failed

Source Files Generating Error Message: logc_main.c

Problem Description: The Log Client was unable to create a thread to wait for and process signals. Either the system lacked sufficient memory to perform the operation or the user on whose behalf the request is executing has exceeded the number of threads allowed.

System Action: The Log Client will terminate.

Administrator Action: Start the Log Client when resources are available.

LOGC0192 Fatal initialization error: %s

Source Files Generating Error Message: logc_main.c

Problem Description: Initialization of the Log Client failed. Probable reasons are an invalid number of input arguments to the Log Client, or an invalid argument (e.g. invalid principal name or invalid protection level).

System Action: The Log Client will terminate.

Administrator Action: Verify the input arguments to the Log Client are correct. In particular verify that a valid principal name and protection level were specified. Also verify that DCE CDS and DCE Security are executing.

LOGC0193 Creation of SSM processing thread failed

Source Files Generating Error Message: logc_main.c

Problem Description: The Log Client was unable to create a thread to process SSM requests for getting and setting the Log Client managed object attributes. Either the system lacked sufficient memory to perform the operation or the user on whose behalf the request is executing has exceeded the number of threads allowed.

System Action: The Log Client will terminate.

Administrator Action: Start the Log Client when sufficient resources are available.

LOGC0194 Shared memory allocation for Logging Services failed

Source Files Generating Error Message: logc_main.c

Problem Description: Shared memory for storing Log Client managed object attributes could not be created.

System Action: The Log Client will terminate.

Administrator Action: Check to determine if 1) a shared memory ID af0 has been created for an application other than HPSS, 2) the system limit of shared memory ids has been exceeded, or 3) there is insufficient physical memory. If so, correct the condition, and restart the Log Client.

LOGC0195 Semaphore id could not be created

Source Files Generating Error Message: logc_main.c

Problem Description: The Logging Services semaphore could not be created. This error should only occur if the system limit of semaphores has been exceeded.

System Action: The Log Client terminated.

Administrator Action: If the system limit of semaphores has been exceeded, correct the condition. Restart the Log Client when the condition clears.

LOGC0196 Semaphore value could not be set

Source Files Generating Error Message: logc_main.c

Problem Description: The Logging Services semaphore value was not set. Most probable reason is that somehow the semaphore has been removed.

System Action: The Log Client will terminate.

Administrator Action: None

LOGC0197 Invalid Log Client pathname

Source Files Generating Error Message: logc_main.c

Problem Description: The executable pathname in the HPSS server configuration file entry for the Log Client was invalid.

System Action: The Log Client will terminate.

Administrator Action: From the Admin list of displays, select the Modify HPSS Configuration Data display. From that display, call up the HPSS Server display. Edit the Log Client entry to correct ExecutablePathName.

LOGC0198 Local log file open failed

Source Files Generating Error Message: logc_main.c

Problem Description: The open of the local log file was unsuccessful.

System Action: The Log Client will terminate.

Administrator Action: Verify that: the name of the local log file (LogcPrtFileName) in the Log Client Configuration file is a valid file name, the Log Client has permission to write to the specified parent directory, and the system limit of file descriptors has not been exceeded.

LOGC0199 Log Client starting

Source Files Generating Error Message: logc_main.c

Problem Description: The Log Client is beginning execution.

System Action: None, informational.

Administrator Action: None

LOGC0200 Connection to Log Daemon failed—retrying

Source Files Generating Error Message: logc_main.c

Problem Description: The Log Client is attempting to connect to the Log Daemon socket. The Log Daemon is probably not executing or has not completed initialization.

System Action: The Log Client will periodically attempt to connect to the Log Daemon.

Administrator Action: Start the Log Daemon if it is not executing.

LOGC0201 Connection to Log Daemon failed with severe error

Source Files Generating Error Message: logc_main.c

Problem Description: An unrecoverable error occurred when attempting to reconnect to the Log Daemon.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client and Log Daemon.

LOGC0202 Connection to Log Daemon failed -- retries exhausted

Source Files Generating Error Message: logc_main.c

Problem Description: The Log Client has reached its maximum entry count in attempting to connect to the Log Daemon socket. The Log Daemon is probably not executing or has not completed its initialization.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client after making sure that the Log Daemon is executing.

LOGC0203 Log Client startup complete

Source Files Generating Error Message: logc_main.c

Problem Description: The Log Client has completed initialization.

System Action: None, informational

Administrator Action: None

LOGC0204 Log Client shutdown request received

Source Files Generating Error Message: logc_main.c

Problem Description: A request was received from SSM for the Log Client to terminate.

System Action: The Log Client will terminate.

Administrator Action: None

LOGC0205 Log Client reinitialization failed

Source Files Generating Error Message: logc_main.c

Problem Description: An attempt to reinitialize the Log Client following an SSM REINIT operation failed.

System Action: The Log Client will terminate.

Administrator Action: Refer to the error messages which preceded this message for additional insight. Restart the Log Client.

LOGC0206 Log message notification to SSM failed

Source Files Generating Error Message: logc_main.c

Problem Description: An attempt to send a log message (e.g. alarm, event) to SSM failed.

System Action: The message will not be sent to SSM, and therefore will not be displayed.

Administrator Action: Check to determine if SSM is executing.

LOGC0207 Local log file lseek failed

Source Files Generating Error Message: logc_main.c

Problem Description: An lseek into the local log file was unsuccessful. This error should not happen unless the log file becomes corrupted.

System Action: None

Administrator Action: None

LOGC0208 Detach of Log Client shared memory failed

Source Files Generating Error Message: logc_ssm_cleanup.c

Problem Description: The detach of shared memory at termination of the Log Client SSM program failed. This error should not occur.

System Action: Shared memory may remain allocated.

Administrator Action: If shared memory regions accumulate, remove shared memory with the ipcrm command.

LOGC0215 Find for SSM connection handle failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logc_notify_init.c, logc_reconnect_ssm_thread.c

Problem Description: The attempt to locate the SSM connection handle for notification messages failed.

System Action: The Log Client will not successfully connect to SSM and notification messages cannot be sent. The Log Cient will attempt to reconnect at the time of the next notification.

Administrator Action: Determine if SSM and DCE are executing. If not restart.

LOGC0216 Open of connection handle for SSM notification failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logc_notify_init.c, logc_reconnect_ssm_thread.c

Problem Description: The open of the Log Client connection handle for interfacing with SSM failed..

System Action: The Log Client will not successfully connect to SSM and notification messages cannot be sent. The Log Cient will attempt to reconnect at the time of the next notification

Administrator Action: Determine if SSM and DCEexecuting. If not restart.

LOGC0220 SSM notify for server attribute changes failed

Source Files Generating Error Message: logc_notify_ssm.c

Problem Description: The interface to notify SSM of changes to the Log Client managed object failed. Most probable cause is SSM is not executing.

System Action: Changes to Log Client managed object attributes will not be sent to SSM. The Log Client will continue processing.

Administrator Action: Determine if SSM is active. If not, restart SSM.

LOGC0230 Invalid request message type received

Source Files Generating Error Message: logc_proc_msg.c

Problem Description: An valid message type was detected for a log record. For REQUESTs, a type other than TEXT_REQUEST, IOD_REQUEST, IOR_REQUEST, or PFS_REQUEST was detected.

System Action: The invalid record will not be logged.

Administrator Action: None.

LOGC0231 Invalid log record type received

Source Files Generating Error Message: logc_proc_msg.c

Problem Description: A record type other than ALARM, EVENT, REQUEST, SECURITY, ACCOUNTING, DEBUG, or TRACE was detected.

System Action: The invalid log record will not be logged.

Administrator Action: None.

LOGC0240 Reconnect to Log Daemon failed—retrying

Source Files Generating Error Message: logc_send_msg.c

Problem Description: The socket connection to the Log Daemon was lost.

System Action: The Log Client will periodically attempt to reestablish the socket connection.

Administrator Action: Restart the Log Daemon if it is not executing.

LOGC0241 Reconnect to Log Daemon failed with severe error

Source Files Generating Error Message: logc_send_msg.c

Problem Description: An attempt to reconnect to the Log Daemon failed with an unrecoverable error.

System Action: The Log Client will terminate.

Administrator Action: Restart both the Log Client and the Log Daemon.

LOGC0242 Socket write failed

Source Files Generating Error Message: logc_send_msg.c

Problem Description: An unrecoverable error occurred with transferring a log message from the Log Client to the Log Daemon.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client.

LOGC0243 Socket write failed—incorrect byte count detected

Source Files Generating Error Message: logc_send_msg.c

Problem Description: The transfer of a log message from the Log Client to the Log Daemon returned an invalid byte count.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client.

LOGC0250 Call to block signals failed

Source Files Generating Error Message: logc_sig_thread.c

Problem Description: The mask of signals to block from the signal handling routine could not be set. This error should not occur.

System Action: None.

Administrator Action: None.

LOGC0251 Suspend of signal handling thread failed

Source Files Generating Error Message: logc_sig_thread.c

Problem Description: The signal handling thread could not be suspended. This error should not occur.

System Action: None.

Administrator Action: None.

LOGC0260 Registration of SSM I/F failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logc_ssm_thread.c

Problem Description: The SSM interface for getting and setting Log Client managed object attributes could not be registered.

System Action: The Log Client will terminate.

Administrator Action: Consult the DCE documentation for actions associated with the DCE message.

LOGC0261 Initialization of RPC handle failed

Source Files Generating Error Message: logc_ssm_thread.c

Problem Description: The Log Client was unable to initialize its master RPC binding handle. Either the system lacked sufficient memory to create a mutex or number of mutexes created for this user has exceeded the system limit.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client when resources are available.

LOGC0262 RPC listen failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logc_ssm_thread.c

Problem Description: The interface for listening for RPCs from SSM failed.

System Action: The Log Client will terminate.

Administrator Action: Consult the DCE documentation for actions associated with the DCE message.

LOGC0270 Creation of SSM binding handle thread failed

Source Files Generating Error Message: logc_reconnect_ssm.c

Problem Description: The Log Client was unable to create the thread responsible for establishing a binding to SSM.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client.

LOGC0271 Unlock of mutex failed

Source Files Generating Error Message: logc_reconnect_ssm.c, logc_reconnect_ssm_thread.c

Problem Description: The Log Client was unable to unlock a mutex. This error should never occur.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client. If the problem persists, a system recycle may be required.

LOGC0280 Write to syslog failed

Source Files Generating Error Message: logc_iodior.c, logc_text.c

Problem Description: A write of a log record to syslog failed

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client.

LOGC0281 Write to local log file failed

Source Files Generating Error Message: logc_iodior.c, logc_text.c

Problem Description: A write of a log record to syslog failed

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client.

LOGC0290 Socket bind failed.

Source Files Generating Error Message: logc_init_socket.c

Problem Description: The Log Client could not bind to the socket used for communication with the Log Daemon. This is most likely because the socket is already bound.

System Action: The Log Client will terminate.

Administrator Action: Check to determine if another process is already bound to this address.

LOGC0556 Client connection refused—maximum connections reached

Source Files Generating Error Message: logc_select_msg.c

Problem Description: The maximum count (50) of client connections to the Log Client was reached, and a server connection failed.

System Action: Once the maximum connections count is reached, no additional HPSS server nodes may connect to the Log Client until a connection is released.

Administrator Action: Configure the system so that no more than 50 HPSS servers are executing on the node.

LOGC0557 Socket accept failed

Source Files Generating Error Message: logc_select_msgn.c

Problem Description: An attempt to accept a new connection on the Log Client socket failed. This error should only occur if the maximum number of open file descriptors has been exceeded.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client.

LOGC0559 Non-severe error—continuing

Source Files Generating Error Message: logc_select_msg.c

Problem Description: A non-terminating error has been detected. The previous message will contain the error.

System Action: None, informational.

Administrator Action: None

LOGC0560 Select for incoming messages failed

Source Files Generating Error Message: logc_select_msg.c

Problem Description: The select to receive incoming messages on the Log Client socket failed with an error other than a signal interrupt. This error should not occur.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client.

LOGC0561 Setting of socket options failed

Source Files Generating Error Message: logc_connect.c, logc_select_msg.c

Problem Description: An attempt to set the logging socket options failed. This error should not occur.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client.

LOGC0580 Client connection closed

Source Files Generating Error Message: logc_read_msg.c

Problem Description: The Log Client detected that an HPSS server closed its socket connection.

System Action: If the failure is due to a client closing its connection, the Log Client will continue to exeucte. Otherwise, for any other errors, the Log Client will terminate.

Administrator Action: Determine if another HPSS server has terminated. It may be necessary to restart another server or the Log Client.

LOGC0581 Socket read failed

Source Files Generating Error Message: logc_read_msg.c

Problem Description: A read on the socket used to read log messages from HPSS servers failed.

System Action: The Log Client will terminate.

Administrator Action: Restart the Log Client.

LOGC0582 Closing client connection due to bad log message

Source Files Generating Error Message: logc_read_msg.c

Problem Description: An invalid byte count was transferred from an HPSS server to the Log Client.

System Action: The Log Client will output a message, and continue executing.

Administrator Action: None, other than report the problem.

Chapter 13

Log Daemon (LOGD Series)

LOGD0011 Allocation of logging buffer failed

Source Files Generating Error Message: log_archive.c

Problem Description: A log output buffer could not be allocated.

System Action: The log archive process will termnate, and the log file will not be archived.

Administrator Action: There is insufficient memory to log the message. Determine why the system is out of memory.

LOGD0016 Invalid severity level detected

Source Files Generating Error Message: logd_proc_msg.c

Problem Description: A security level other that NONE, WARNING, MINOR, MAJOR, CRITICAL, INDETERMINATE, or CLEARED was detected. The invalid log record will not be logged.

System Action: None. The Log Daemon will continue to execute.

Administrator Action: None.

LOGD0113 Attribute specified is not settable

Source Files Generating Error Message: logd_ServerSetAttrs.c, logd_LogfileSetAttrs.c

Problem Description: The managed object attribute specified is not settable.

System Action: The request to set the attribute will fail. The Log Daemon will continue to run.

Administrator Action: None.

LOGD0114 Security audit message failed

Source Files Generating Error Message: logd_ServerSetAttrs.c

Problem Description: The attempt to generate a security audit message failed. This error should not occur.

System Action: A security audit message will not appear in the HPSS log. The Log Daemon will continue executing.

Administrator Action: None.

LOGD0122 Socket descriptor close failed

Source Files Generating Error Message: logd_cleanup.c logd_main.c

Problem Description: A close of the socket descriptor (for message transfers to the Log Daemon) failed during 1) Log Daemon termination or 2) detection of a failed connection.

System Action: None, the system will close open file descriptors.

Administrator Action: None

LOGD0123 Purge of login context failed

Source Files Generating Error Message: , loga_cleanup.c, logd_cleanup.c

Problem Description: The purge of the Log Daemon (or log archive process) login context failed during Log Daemon (or log archive process) termination.

System Action: None. The Log Daemon (or log archive process) was exiting when the error occurred.

Administrator Action: None.

LOGD0124 Unregister of SSM interface failed -%s

Source Files Generating Error Message: logd_cleanup.c

Problem Description: The SSM interface for getting and setting Log Daemon managed object attributes could not be unregistered.

System Action: None. The Log Daemon was in process of exiting when the error occurred.

Administrator Action: Consult the DCE documentation for actions associated with the DCE message.

LOGD0125 Unregister of connection manager interface failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logd_cleanup.c

Problem Description: The interface for the HPSS connection manager could not be unregistered during Log Daemon termination.

System Action: None. The Log Daemon was exiting when the error occurred.

Administrator Action: None.

LOGD0126 Close of SSM connection handle failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logd_cleanup.c, logd_reconnect_ssm_thread.c

Problem Description: The close of the Log Daemon connection handle for interfacing with SSM failed.

System Action: None. The Log Daemon was exiting when the error occurred.

Administrator Action: None.

LOGD0130 Socket create failed

Source Files Generating Error Message: logd_init.c

Problem Description: The creation of a socket to transfer log messages from the Log Client to the Log Daemon failed. The system may lack resources to complete the operation.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon when resources are available.

LOGD0131 Host name could not be determined

Source Files Generating Error Message: logd_main.c

Problem Description: A call to get the name of the local host on which the Log Daemon is executing failed. This error should not occur.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon.

LOGD0151 Lock of mutex failed

Source Files Generating Error Message: logd_fail.c, logd_ssm_reconnect.c, logd_sig_thread.c, logd_ssm_reconnect_thread.c

Problem Description: The Log Client was unable to lock a mutex. This error should never occur.

System Action: None, the Log Client was already exiting.

Administrator Action: None.

LOGD0160 HPSS server configuration file open failed %s
(%s is an SFS message)

Source Files Generating Error Message: logd_init_config.c

Problem Description: The Log Daemon was unable to open the HPSS server configuration file.

System Action: The Log Daemon will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Daemon.

LOGD0163 Security initialization failed

Source Files Generating Error Message: logd_init_config.c

Problem Description: The Log Daemon could not successfully initialize the HPSS security library. There was an error contacting the security registry.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon. If the problem persists, view the HPSS log to determine the error code associated with the failure. Consult the DCE documentation for actions to take.

LOGD0164 Initialization of authorization vector failed

Source Files Generating Error Message: logd_init_config.c

Problem Description: The authorization vector of servers which can interface with the Log Daemon could not be initialized. There is insufficient memory to perform the operation.

System Action: The Log Daemon will terminate.

Administrator Action: Determine why there is a shortage of memory, and correct the condition. Restart the Log Daemon when the condition clears.

LOGD0165 Addition of SSM server to authorization vector failed

Source Files Generating Error Message: logd_init_config.c

Problem Description: The SSM server principal name could not be added to the authorization vector that defines those authorized servers that can interface with the Log Daemon. Either there was insufficient memory to perform the operation, or there is a problem with the security registry.

System Action: The Log Daemon will terminate.

Administrator Action: Resubmit the Log Daemon. If the problem persists, view the HPSS log to determine the error code associated with the failure. If there is a problem with the security registry, consult the DCE documentation for actions to take.

LOGD0166 SSM server configuration entry does not exist

Source Files Generating Error Message: logd_init_config.c

Problem Description: There is no entry in the SSM server configuration file for the Log Daemon.

System Action: The Log Daemon will terminate.

Administrator Action: From the Admin option, select Configure HPSS. From that display, select Server Configuration. Select the Log Daemon Server Configuration file entry, and verify that the SSM Server ID matches the Server ID for the SSM Server Configuration entry. If not, modify the Log Daemon entry in the Server Configuration entry to contain the correct server id.

LOGD0167 SSM server configuration entry read failed

Source Files Generating Error Message: logd_init_config.c

Problem Description: The Log Daemon was unable to read the SSM entry from the HPSS server configuration file.

System Action: The Log Daemon will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Daemon.

LOGD0168 HPSS server configuration file close failed

Source Files Generating Error Message: logd init_config.c

Problem Description: The Log Daemon was unable to close the HPSS server configuration file.

System Action: The Log Daemon will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Daemon.

LOGD0174 Connection preinitialization failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logd_init_config.c

Problem Description: The initialization of the connection manager (prior to Encina installation) failed.

System Action: The Log Daemon will terminate.

Administrator Action: Consult the DCE documentation for actions associated with the DCE message.

LOGD0176 Connection initialization failed

Source Files Generating Error Message: logd_init_config.c

Problem Description: The interface to initialize connections for client get / set attribute requests failed. The system may lack resources to complete the operation.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon when resources are available.

LOGD0190 Initialization of a mutex failed

Source Files Generating Error Message: logd_main.c

Problem Description: The Log Daemon was unable to create a mutex. Either the system lacked sufficient memory to perform the operation or number of mutexes created for this user has exceeded the system limit.

System Action: The Log Daemon will terminate.

Administrator Action: Resubmit the Log Daemon when resources are available.

LOGD0191 Creation of signal handling thread failed

Source Files Generating Error Message: logd_main.c

Problem Description: The Log Daemon was unable to create a thread to wait for and process signals. Either the system lacked sufficent memory to perform the operation or the user on whose behalf the request is executing has exceeded the number of threads allowed.

System Action: The Log Daemon will terminate.

Administrator Action: Start the Log Daemon when resources are available.

LOGD0192 Fatal initialization error: %s

Source Files Generating Error Message: logd_main.c, log.archive.c

Problem Description: Initialization of the Log Daemon failed. Probable reasons are an invalid number of input arguments to the Log Daemon, or an invalid argument (e.g. invalid principal name or invalid protection level).

System Action: The Log Daemon will terminate.

Administrator Action: Verify the input arguments to the Log Daemon are correct. In particular verify that a valid principal name and protection level were specified. Also verify that DCE CDS and DCE Security are executing.

LOGD0193 Creation of SSM processing thread failed

Source Files Generating Error Message: logd_main.c

Problem Description: The Log Daemon was unable to create a thread to process SSM requests for getting and setting the Log Daemon managed object attributes. Either the system lacked sufficent memory to perform the operation or the user on whose behalf the request is executing has exceeded the number of threads allowed.

System Action: The Log Daemon will terminate.

Administrator Action: Start the Log Daemon when resources are available.

LOGD0215 Find for SSM connection handle failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logd_notify_init.c, logd_reconnect_ssm_thread.c

Problem Description: The attempt to locate the SSM connection handle for notification messages failed.

System Action: The Log Daemon will not successfully connect to SSM and notification messages cannot be sent. The Log Daemon will attempt to reconnect at the time of the next notification.

Administrator Action: Determine if SSM and DCE are executing. If not restart.

LOGD0216 Open of connection handle for SSM notification failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logd_notify_init.c, logd_reconnect_ssm_thread.c

Problem Description: The open of the Log Daemon connection handle for interfacing with SSM failed.

System Action: The Log Daemon will not successfully connect to SSM and notification messages cannot be sent. The Log Daemon will attempt to reconnect at the time of the next notification.

Administrator Action: Determine if SSM and DCE are executing. If not, restart.

LOGD0220 SSM notify for server attribute changes failed

Source Files Generating Error Message: logd_notify_ssm.c

Problem Description: The interface to notify SSM of changes to the Log Daemon managed object failed. Most probable cause is SSM is not executing.

System Action: Changes to Log Daemon managed object attributes will not be sent to SSM. The Log Daemon will continue processing.

Administrator Action: Determine if SSM is active. If not, restart SSM.

LOGD0250 Call to block signals failed

Source Files Generating Error Message: logd_sig_thread.c

Problem Description: The mask of signals to block from the signal handling routine could not be set. This error should not occur.

System Action: None.

Administrator Action: None.

LOGD0251 Suspend of signal handling thread failed

Source Files Generating Error Message: logd_sig_thread.c

Problem Description: The signal handling thread could not be suspended. This error should not occur.

System Action: None.

Administrator Action: None.

LOGD0260 Registration of SSM I/F failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logd_ssm_thread.c

Problem Description: The SSM interface for getting and setting Log Daemon managed object attributes could not be registered.

System Action: The Log Daemon will terminate.

Administrator Action: Consult the DCE documentation for actions associated with the DCE message.

LOGD0261 Initialization of RPC handle failed

Source Files Generating Error Message: logd_ssm_thread.c

Problem Description: The Log Daemon was unable to initialize its master RPC binding handle. Either the system lacked sufficent memory to create a mutex or number of mutexes created for this user has exceeded the system limit.

System Action: The Log Daemon will terminate.

LOGD0262 RPC listen failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logd_ssm_thread.c

Problem Description: The interface for listening for RPCs from SSM failed.

System Action: The Log Daemon will terminate.

Administrator Action: Consult the DCE documentation for actions associated with the DCE message.

LOGD0270 Creation of SSM binding handle thread failed

Source Files Generating Error Message: logd_reconnect_ssm.c

Problem Description: The Log Daemon was unable to create the thread responsible for establishing a binding to SSM.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon.

LOGC0271 Unlock of mutex failed

Source Files Generating Error Message: logd_reconnect_ssm.c, logd_reconnect_ssm_thread.c

Problem Description: The Log Daemon was unable to unlock a mutex. This error should never occur.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon. If the problem persists, a system recycle may be required.

LOGD0400 Initialization of Logging Services failed

Source Files Generating Error Message: log_archive.c

Problem Description: Initialization of Logging Services by the log archive program failed.

System Action: The log archive program will terminate, without having archived the log file. Either the archive program could not open the master message catalog, get the logging message queue id, or get the logging shared memory id. None of these errors should occur.

Administrator Action: None

LOGD0401 Invalid argument count specified

Source Files Generating Error Message: log_archive.c

Problem Description: An invalid argument count was received by the log archive program. This should not occur.

System Action: None.

Administrator Action: None.

Administrator Action: Restart the Log Daemon when resources are available.

LOGD0402 Log Daemon shared memory could not be located

Source Files Generating Error Message: log_archive.c

Problem Description: The log archive program could not obtain the id for the Log Daemon shared memory region. This error should not occur unless the shared memory has been removed.

System Action: The log archive program will terminate.

Administrator Action: If the Log Daemon is not executing, start the Log Daemon.

LOGD0403 Attach to Log Daemon shared memory failed

Source Files Generating Error Message: log_archive.c

Problem Description: The Log Daemon or Log Archive program could not attach to the shared memory region allocated by the Log Daemon. This error should not occur.

System Action: The Log Daemon will terminate.

Administrator Action: None

LOGD0404 Open of log file being archived failed

Source Files Generating Error Message: log_archive.c

Problem Description: An open of the file being archived failed.

System Action: The log archive program will terminate, and the log file will not be archived.

Administrator Action: Restart the Log Daemon if the problem persists.

LOGD0405 Read of log file being archived failed

Source Files Generating Error Message: log_archive.c

Problem Description: The read of the log file being archived failed.

System Action: The log archive program will terminate, and some or all of the log file will not be archived.

Administrator Action: Restart the Log Daemon if the problem persists.

LOGD0406 lseek for log file being archived failed

Source Files Generating Error Message: log_archive.c

Problem Description: An attempt to position to the log file being archived back to the beginning of the file failed. This error should not occur.

System Action: The log archive program will terminate. Some or all of the log file may not be archived.

Administrator Action: Restart the Log Daemon if the problem persists.

LOGD0407 Write of log archive failed

Source Files Generating Error Message: log_archive.c
Problem Description: The write of the log to an archive file failed.
System Action: The log archive program will terminate. Some or all of the log file will not be archived.
Administrator Action: Restart the Log Daemon if the problem persists.

LOGD0408 Close of log file being archived failed

Source Files Generating Error Message: log_archive.c
Problem Description: Following the archive of a log file, the close of the file being archived failed.
System Action: None, the system will close open file descriptors.
Administrator Action: None

LOGD0409 Open of log archive failed

Source Files Generating Error Message: log_archive
Problem Description: An open of the file being archived failed.
System Action: The log archive program will terminate, and the log file will not be archived.
Administrator Action: Restart the Log Daemon if the problem persists.

LOGD0410 Write of log file being archived failed

Source Files Generating Error Message: log_archive.c
Problem Description: The write of the header of the log file being archived failed.
System Action: The log archive program will terminate. Some or all of the log file will not be archived.
Administrator Action: Restart the Log Daemon if the problem persists.

LOGD0411 Close of log archive failed

Source Files Generating Error Message: log_archive.c
Problem Description: Following the archive of a log file, the close of the archive file failed.
System Action: None, the system will close open file descriptors.
Administrator Action: None

LOGD0413 Detach of Log Daemon shared memory failed

Source Files Generating Error Message: logd_archive.c
Problem Description: The detach of the Log Daemon shared memory at termination of the archive program failed. This error should not occur.
System Action: Shared memory may remain allocated.
Administrator Action: If shared memory regions accumulate, remove shared memory with the ipcrm command.

LOGD0414 Log archive process terminated with error

Source Files Generating Error Message: logd_archive.c

Problem Description: Due to an error condition (which has been logged), the log archive program is terminating.

System Action: The log archive program will terminate.

Administrator Action: Refer to additional log messages to determine why the program terminated.

LOGD0415 Creation of archive directory failed

Source Files Generating Error Message: log_archive.c

Problem Description: An attempt to create the log directory in HPSS file system failed.

System Action: Archival of the log will fail.

Administrator Action: Verify that
1) the HPSS Name Server is executing,
2) the Log process has sufficient permissions to create an HPSS directory, and
3) the file space has enough space.

LOGD0416 Setting of file creation mask failed

Source Files Generating Error Message: log_archive.c

Problem Description: Setting the umask for the HPSS archive log file failed.

System Action: Archival of the log will fail.

Administrator Action: Verify that the HPSS Name Server and Bitfile Server are properly configured and are executing.

LOGD0420 Error entering connection to get Log Daemon attributes

Source Files Generating Error Message: logd_ServerGetAttrs.c

Problem Description: When attempting to process a request to get the Log Daemon attributes, a problem with the connection to the client application was detected.

System Action: The request to get the Log Daemon attributes will fail. The Log Daemon will continue to execute.

Administrator Action: Resubmit the get attributes request. If the problem persists, recycle the Log Daemon. There may also be a problem with SSM.

LOGD0421 Error leaving connection to get Log Daemon attributes

Source Files Generating Error Message: logd_ServerGetAttrs.c

Problem Description: When attempting to process a request to get the Log Daemon attributes, a problem with the connection was detected.

System Action: The request to get the Log Daemon attributes will fail. The Log Daemon will continue to execute.

Administrator Action: Resubmit the get attributes request. If the problem persists, recycle the Log Daemon. There may also be a problem with SSM.

LOGD0430 Error entering connection to set Log Daemon attributes

Source Files Generating Error Message: logd_ServerSetAttrs.c

Problem Description: When attempting to process a request to set the Log Daemon attributes, a problem with the connection to the client application was detected.

System Action: The request to set the Log Daemon attributes will fail. The Log Daemon will continue to execute.

Administrator Action: Resubmit the set attributes request. If the problem persists, recycle the Log Daemon. There may also be a problem with SSM.

LOGD0431 Error leaving connection to set Log Daemon attributes

Source Files Generating Error Message: logd_ServerSetAttrs.c

Problem Description: When attempting to process a request to set the Log Daemon attributes, a problem with the connection was detected.

System Action: The request to set the Log Daemon attributes will fail. The Log Daemon will continue to execute.

Administrator Action: Resubmit the set attributes request. If the problem persists, recycle the Log Daemon. There may also be a problem with SSM.

LOGD0440 Error entering connection to get log file attributes

Source Files Generating Error Message: logd_LogfileGetAttrs.c

Problem Description: When attempting to process a request to get the log file attributes, a problem with the connection to the client application was detected.

System Action: The request to get the log file attributes will fail. The Log Daemon will continue to execute.

Administrator Action: Resubmit the get attributes request. If the problem persists, recycle the Log Daemon. There may also be a problem with SSM.

LOGD0441 Invalid log file name specified in get attributes request

Source Files Generating Error Message: logd_LogfileGetAttrs.c

Problem Description: The log file name received in the SSM request to get the Log File managed attributes was not logfile01 or Logfile02.

System Action: No Log File managed object attributes will be returned.

Administrator Action: Resubmit the SSM get attributes request with a log file name of logfile01 or logfile02.

LOGD0442 Error leaving connection to get log file attributes

Source Files Generating Error Message: logd_LogfileGetAttrs.c

Problem Description: When attempting to process a request to get the log file attributes, a problem with the connection was detected.

System Action: The request to get the log file attributes will fail. The Log Daemon will continue to execute.

Administrator Action: Resubmit the get attributes request. If the problem persists, recycle the Log Daemon. There may also be a problem with SSM.

LOGD0450 Error entering connection to set log file attributes

Source Files Generating Error Message: logd_LogfileSetAttrs.c

Problem Description: When attempting to process a request to set the log file attributes, a problem with the connection to the client application was detected.

System Action: The request to set the log file attributes will fail. The Log Daemon will continue to execute.

Administrator Action: Resubmit the set attributes request. If the problem persists, recycle the Log Daemon. There may also be a problem with SSM.

LOGD0451 Invalid log file name specified in set attributes structure

Source Files Generating Error Message: logd_LogfileSetAttrs.c

Problem Description: The log file name passed in the Log File managed object attributes structure from an SSM request to set the Log File managed attributes was not logfile01 or Logfile02.

System Action: The Log File managed object attributes will not be set.

Administrator Action: Resubmit the SSM set attributes request with valid Log File attributes.

LOGD0452 Error leaving connection to set log file attributes

Source Files Generating Error Message: logd_ServerSetAttrs.c

Problem Description: When attempting to process a request to set the log file attributes, a problem with the connection was detected.

System Action: The request to set log file attributes will fail. The Log Daemon will continue to execute.

Administrator Action: Resubmit the set attributes request. If the problem persists, recycle the Log Daemon. There may also be a problem with SSM.

LOGD0460 Invalid current log value detected

Source Files Generating Error Message: logd_archive_logfile.c

Problem Description: The current log file number did not indicate logfile01 or logfile02. This internal error should not occur.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon.

LOGD0461 Execution of archival program failed

Source Files Generating Error Message: logd_archive_logfile.c

Problem Description: The exec of log_archive to archive a filled log file to HPSS failed. The system may lack sufficient memory to perform the operation.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon.

LOGD0462 Creation of archival program failed

Source Files Generating Error Message: logd_archive_logfile.c

Problem Description: The fork of log_archive to archive a filled log file to HPSS failed. The system may lack sufficient memory to perform the operation.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon when resources are available.

LOGD0471 Removal of Log Daemon shared memory failed

Source Files Generating Error Message: logd_cleanup.c

Problem Description: Removal of the Log Daemon shared memory at process termination was unsuccessful. This error should not occur.

System Action: Shared memory may remain allocated.

Administrator Action: If shared memory regions accumulate, remove shared memory with the ipcrm command.

LOGD0480 Log Daemon terminating

Source Files Generating Error Message: logd_fail.c

Problem Description: The Log Daemon is terminating execution.

System Action: None, informational.

Administrator Action: None

LOGD0490 Log Daemon starting

Source Files Generating Error Message: logd_init.c

Problem Description: The Log Daemon is beginning execution.

System Action: None, informational.

Administrator Action: None

LOGD0491 Invalid Log Daemon pathname

Source Files Generating Error Message: logd_init.c

Problem Description: The executable pathname in the HPSS server configuration file entry for the Log Daemon was invalid.

System Action: The Log Daemon will terminate.

Administrator Action: From the Admin list of displays, select the Modify HPSS Configuration Data display. From that display, call up the HPSS Server display. Edit the Log Daemon entry to correct ExecutablePathName.

LOGD0492 Change to log directory failed

Source Files Generating Error Message: logd_init.c

Problem Description: The Log Daemon could not issue a change directory to the log directory name (LogdDirectory) specified in the Log Daemon Configuration file.

System Action: The Log Daemon will terminate.

Administrator Action: Verify that: the name of the log directory in the Log Daemon Configuration file is a valid pathname and the Log Daemon has permission to write to the specified parent directory.

LOGD0493 Socket bind failed - Log Daemon may already be executing

Source Files Generating Error Message: logd_init.c

Problem Description: The Log Daemon could not initialize since the socket was already bound. Either the Log Daemon is already executing, or the Log Daemon has just terminated, and the system has not yet removed the socket.

System Action: The Log Daemon will terminate.

Administrator Action: Check to determine if the Log Daemon is already executing. If so, and the Log Daemon is to be recycled, terminate the Log Daemon, and then restart it. If the Log Daemon was not executing, wait a few minutes to allow the socket to be removed, and then restart the Log Daemon.

LOGD0494 Socket listen failed

Source Files Generating Error Message: logd_init.c

Problem Description: An attempt to listen for connections on the Log Daemon socket failed.

System Action: The Log Daemon will terminate. This error should not occur.

Administrator Action: Restart the Log Daemon.

LOGD0495 Log Daemon startup complete

Source Files Generating Error Message: logd_init.c

Problem Description: The Log Daemon has completed initialization.

System Action: None, informational

Administrator Action: None.

LOGD0500 Preregistration of Log Daemon SSM I/F failed - %s
(%s is a DCE message)

Source Files Generating Error Message: logd_init_config.c

Problem Description: The SSM interface for getting and setting Log Daemon managed object attributes could not be pre-registered.

System Action: The Log Daemon will terminate.

Administrator Action: Consult the DCE documentation for actions associated with the DCE message.

LOGD0501 Log Daemon server configuration entry does not exist

Source Files Generating Error Message: logd_init_config.c

Problem Description: There is no entry in the HPSS server configuration file for the Log Daemon.

System Action: The Log Daemon will terminate.

Administrator Action: From the Admin option, select Configure HPSS. From that display, select Server Configuration. Enter the required information to define a Log Daemon entry in the server configuration file. Also define the Log Daemon configuration file entry if one does not exist.

LOGD0502 Log Daemon server configuration entry read failed

Source Files Generating Error Message: logd_init_config.c

Problem Description: The Log Daemon was unable to read its entry from the HPSS server configuration file.

System Action: The Log Daemon will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Daemon.

LOGD0503 Log Daemon configuration file open failed - %s
(%s is an SFS message)

Source Files Generating Error Message: logd_init_config.c

Problem Description: The Log Daemon was unable to open its configuration file.

System Action: The Log Daemon will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Daemon.

LOGD0504 Log Daemon configuration record not found

Source Files Generating Error Message: logd_init_config.c

Problem Description: The Log Daemon was unable to open its configuration file since it does not exist.

System Action: The Log Daemon will terminate.

Administrator Action: From the Admin option, select Configure HPSS. From that display, select Log Daemon option. Add a Log Daemon configuration file entry.

LOGD0505 Log Daemon configuration record read failed

Source Files Generating Error Message: logd_init_config.c

Problem Description: The Log Daemon was unable to read its configuration file.

System Action: The Log Daemon will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Daemon.

LOGD0506 Log Daemon configuration file close failed

Source Files Generating Error Message: logd_init_config.c

Problem Description: The Log Daemon was unable to close its configuration file.

System Action: The Log Daemon will terminate.

Administrator Action: Determine if SFS is still executing. If not, restart SFS, and then restart the Log Daemon.

LOGD0515 Log file lseek failed

Source Files Generating Error Message: logd_init_format_logfile.c, logd_init_verify_logfile.c, logd_switch_logfiles.c

Problem Description: An attempt to position within the logfile01 or Logfile02 file failed. This error should not occur.

System Action: The Log Daemon will exit.

Administrator Action: Restart the Log Daemon.

LOGD0516 Log file write failed

Source Files Generating Error Message: logd_init_format_logfile.c, logd_proc_request.c, logd_proc_text.c, logd_switch_logfiles.c

Problem Description: A write to the logfile01 or logfile02 file failed.

System Action: The Log Daemon will exit.

Administrator Action: Check to verify that the file system is not full. Restart the Log Daemon.

LOGD0520 Logfile02 stat failed

Source Files Generating Error Message: logd_init_logfiles.c

Problem Description: An attempt to get file status to determine if the logfile02 file exists failed. This error should not occur.

System Action: The Log Daemon will exit.

Administrator Action: Restart the Log Daemon.

LOGD0521 Logfile inconsistency—logfile02 exists but not logfile01

Source Files Generating Error Message: logd_init_logfiles.c

Problem Description: When initializing, the Log Daemon detected that only one of the two logfiles exited.

System Action: The Log Daemon will terminate.

Administrator Action: The log files are invalid. Delete logfile02, and restart the Log Daemon.

LOGD0522 Logfile01 stat failed

Source Files Generating Error Message: logd_init_logfiles.c

Problem Description: An attempt to get file status to determine if the logfile01 file exists failed. This error should not occur.

System Action: The Log Daemon will exit.

Administrator Action: Restart the Log Daemon.

LOGD0523 Logfile inconsistency—logfile01 exists but not logfile02

Source Files Generating Error Message: logd_init_logfiles.c

Problem Description: When initializing, the Log Daemon detected that only one of the two logfiles exited.

System Action: The Log Daemon will terminate.

Administrator Action: The log files are invalid. Delete logfile01, and restart the Log Daemon.

LOGD0524 Logfile01 open failed

Source Files Generating Error Message: logd_init_logfiles.c, logd_init_new_logfiles.c

Problem Description: An open of the logfile01 file failed. This error should not occur.

System Action: The Log Daemon will exit.

Administrator Action: Restart the Log Daemon.

LOGD0525 Logfile02 open failed

Source Files Generating Error Message: logd_init_logfiles.c, logd_init_new_logfiles.c

Problem Description: An open of the logfile02 file failed. This error should not occur.

System Action: The Log Daemon will exit.

Administrator Action: Restart the Log Daemon.

LOGD0526 One or more log files is invalid

Source Files Generating Error Message: logd_init_logfiles.c

Problem Description: logfile01 and / or logfile02 have been marked invalid.

System Action: The Log Daemon will terminate.

Administrator Action: The log files are invalid. Delete both the primary and secondary log file, and restart the Log Daemon.

LOGD0527 Log file inconsistency—both current

Source Files Generating Error Message: logd_init_logfiles.c

Problem Description: When initializing, the Log Daemon detected that both logfiles were marked current.

System Action: The Log Daemon will terminate.

Administrator Action: The log files are invalid. Delete both the primary and secondary log file, and restart the Log Daemon.

LOGD0528 Logfile inconsistency—neither current

Source Files Generating Error Message: logd_init_logfiles.c

Problem Description: When initializing, the Log Daemon detected that neither of the log files were marked current.

System Action: The Log Daemon will terminate.

Administrator Action: The log files are invalid. Delete both the primary and secondary log file, and restart the Log Daemon.

LOGD0529 Logfile inconsistency—one or more invalid

Source Files Generating Error Message: logd_init_logfiles.c

Problem Description: When initializing, the Log Daemon detected that one or both of the log files were marked invalid

System Action: The Log Daemon will terminate.

Administrator Action: The log files are invalid. Delete both the primary and secondary log file, and restart the Log Daemon.

LOGD0530 Logfile02 close failed

Source Files Generating Error Message: logd_init_logfiles.c, logd_init_new_logfiles.c

Problem Description: A close of the logfile02 file failed. This error should not occur.

System Action: The Log Daemon will exit.

Administrator Action: Restart the Log Daemon.

LOGD0531 logfile01 lseek failed

Source Files Generating Error Message: logd_init_logfiles.c, logd_init_new_logfiles.c

Problem Description: An attempt to position the logfile01 file past the log file header at log file creation or to the end of file to determine file size failed. This error should not occur.

System Action: The Log Daemon will exit.

Administrator Action: Restart the Log Daemon.

LOGD0532 logfile01 close failed

Source Files Generating Error Message: logd_init_logfiles.c, logd_init_new_logfiles.c

Problem Description: A close of logfile01 failed. This error should not occur.

System Action: The Log Daemon will exit.

Administrator Action: Restart the Log Daemon.

LOGD0533 logfile02 lseek failed

Source Files Generating Error Message: logd_init_logfiles.c

Problem Description: An attempt to position the logfile02 file to the end of file to determine file size failed. This error should not occur.

System Action: The Log Daemon will exit.

Administrator Action: Restart the Log Daemon.

LOGD0534 Invalid log file identifier

Source Files Generating Error Message: logd_init_logfiles.c

Problem Description: The log file identifier did not indicate logfile01 or logfile02. This internal error should not occur.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon. If the problem persists, notify support.

LOGD0540 Log file read failed

Source Files Generating Error Message: logd_init_verify_logfile.c, logd_switch_logfiles.c

Problem Description: A read of the logfile01 or logfile02 file failed. This error should not occur.

System Action: The Log Daemon will exit.

Administrator Action: Restart the Log Daemon.

LOGD0550 Shared memory allocation for Log Daemon failed

Source Files Generating Error Message: logd_main.c

Problem Description: Shared memory for storing Log Daemon managed object attributes could not be created.

System Action: The Log Daemon will terminate.

Administrator Action: Check to determine if (1) the system limit of shared memory ids has been exceeded, or (2) there is insufficient physical memory. If so, correct the condition, and restart the Log Daemon.

LOGD0551 Log Daemon initialization failed

Source Files Generating Error Message: logd_main.c

Problem Description: The Log Daemon did not successfully initialize.

System Action: The Log Daemon will terminate.

Administrator Action: Refer to the error messages which preceded this message for additional insight. Restart the Log Daemon.

LOGD0552 Log Daemon shutdown request received

Source Files Generating Error Message: logd_main.c

Problem Description: A request was received from SSM for the Log Daemon to terminate.

System Action: The Log Daemon will terminate.

Administrator Action: None

LOGD0553 Log Daemon reinitialization request received

Source Files Generating Error Message: logd_main.c

Problem Description: A request to reinitialize the Log Daemon was received. The Log Daemon configuration file will be reinitialized.

System Action: None, informational.

Administrator Action: None

LOGD0554 Log Daemon reinitialization failed

Source Files Generating Error Message: logd_main.c

Problem Description: An attempt to reinitialize the Log Daemon following an SSM REINIT operation failed.

System Action: The Log Daemon will terminate.

Administrator Action: Refer to the error messages which preceded this message for additional insight. Restart the Log Daemon.

LOGD0555 Log Client connect from->

Source Files Generating Error Message: logd_main.c

Problem Description: The Log Daemon successfully connected to the designated Log Client.

System Action: None, informational.

Administrator Action: None

LOGD0556 Client connection refused—maximum connections reached

Source Files Generating Error Message: logd_main.c

Problem Description: The maximum count of client connections (100) to the Log Daemon was reached, and a Log Client connection failed.

System Action: Once the maximum connections count is reached, no additional HPSS server nodes may connect to the Log Daemon until a connection is released.

Administrator Action: None. If more than 100 server nodes are configured, notify support to request an upgrade.

LOGD0557 Socket accept failed

Source Files Generating Error Message: logd_main.c

Problem Description: An attempt to accept a new connection on the Log Daemon socket failed. This error should only occur if the maximum number of open file descriptors has been exceeded.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon.

LOGD0558 Log Client disconnect from->

Source Files Generating Error Message: logd_main.c

Problem Description: The Log Daemon disconnected from the designated Log Client.

System Action: None, informational.

Administrator Action: None.

LOGD0559 Non-severe error—continuing

Source Files Generating Error Message: logd_main.c

Problem Description: A non-terminating error has been detected. The previous message will contain the error.

System Action: None, informational.

Administrator Action: None

LOGD0560 Select for incoming messages failed

Source Files Generating Error Message: logd_main.c

Problem Description: The select to receive incoming messages on the Log Daemon socket failed with an error other than a signal interrupt. This error should not occur.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon.

LOGD0561 Setting of socket options failed

Source Files Generating Error Message: logd_main.c

Problem Description: The setting of the socket keep alive option failed. the Log Client is executing failed. This error should not occur.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon.

LOGD0570 SSM notify for log file attribute changes failed

Source Files Generating Error Message: logd_notify_ssm.c

Problem Description: The interface to notify SSM of changes to the Log File managed object failed. Most probable cause is SSM is not executing.

System Action: Changes to Log File managed object attributes will not be sent to SSM. The Log Daemon will continue processing.

Administrator Action: Determine if SSM is active. If not, restart SSM.

LOGD0580 Client connection closed

Source Files Generating Error Message: logd_proc_msg.c

Problem Description: The Log Daemon detected that a Log Client closed its socket connection.

System Action: None

Administrator Action: None. If the closed connection was the result of a failed Log Client, restart the Log Client.

LOGD0581 Socket read failed

Source Files Generating Error Message: logd_proc_msg.c

Problem Description: A read on the socket used to transfer log messages from the Log Client(s) to the Log Daemon failed.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon.

LOGD0582 Closing client connection due to bad log message

Source Files Generating Error Message: logd_proc_msg.c

Problem Description: An invalid byte count was transferred from a Log Client to the Log Daemon.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon.

LOGD0583 XDR decode error

Source Files Generating Error Message: logd_proc_msg.c

Problem Description: An error occurred while decoding the log message to be sent to the Log Daemon. This error should not occur. If it does, a message record in the log will contain invalid information.

System Action: The Log Daemon will continue to execute.

Administrator Action: None.

LOGD0584 Invalid log record type detected

Source Files Generating Error Message: logd_proc_msg.c

Problem Description: A record type other than ALARM, EVENT, REQUEST, SECURITY, ACCOUNTING, DEBUG, or TRACE was detected. The invalid log record will not be logged.

System Action: None. The Log Daemon will continue to execute.

Administrator Action: None.

LOGD0590 Invalid log message type detected

Source Files Generating Error Message: logd_proc_request.c

Problem Description: An valid message type was detected for a log record. For ALARMs, a type other than SERVICE_DEGRADATION, SECURITY_VIOLATION, SOFTWARE_ERROR, HARDWARE_ERROR, COMMUNICATION_ERROR, or THRESHOLD was detected. For EVENTs, a type other than OBJECT_CREATION, OBJECT_DELETION, OPERATION_INITIATION, OPERATION_COMPLETION, or OTHER_EVENT was detected. For REQUESTs, a type other than TEXT_REQUEST, IOD_REQUEST, IOR_REQUEST, or PIOFS_REQUEST was detected. The invalid log record will not be logged.

System Action: None. The Log Daemon will continue to execute.

Administrator Action: None.

LOGD0600 Switching logfiles—current log file has filled

Source Files Generating Error Message: logd_switch_logfiles.c

Problem Description: The current log file has filled and the Log Daemon is switching to the secondary log file. The log file that has filled will be archived if the Archive Flag is set in the Log Daemon configuration file.

System Action: None, informational.

Administrator Action: None. {Ed. note: replacement}

LOGD0601 Error switching log files—invalid current log value

Source Files Generating Error Message: logd_switch_logfiles.c

Problem Description: The current log file has filled, and a switch to the secondary log file is being performed. However, the secondary log file is marked invalid.

System Action: The Log Daemon will terminate.

Administrator Action: The log files are invalid. Delete both the primary and secondary log file, and restart the Log Daemon.

LOGD0602 Log file open failed

Source Files Generating Error Message: logd_switch_logfiles.c

Problem Description: An open of either the logfile01 or logfile02 log file failed. This error should not normally occur.

System Action: The Log Daemon will exit.

Administrator Action: Restart the Log Daemon.

LOGD0603 Invalid log file detected on switch

Source Files Generating Error Message: logd_switch_logfiles.c

Problem Description: In process of switching log files, the log file identifier did not indicate logfile01 or logfile02. This internal error should not occur.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon.

LOGD0604 Error switching log files—secondary logfile not archived

Source Files Generating Error Message: logd_switch_logfiles.c

Problem Description: The current log file has filled, and a switch to the secondary log file is being performed. However, the secondary log file has not yet been archived.

System Action: If the LogdCheckSwitch option in the Log Daemon configuration file is 0, then the switch will be made. The log file will not have been completely archived. If the LogdCheckSwitch option in the Log Daemon configuration file is 1, then the Log Daemon will terminate.

Administrator Action: If the LogdCheckSwitch option was set, restart the Log Daemon.

LOGD0605 Error switching log files—secondary marked as current

Source Files Generating Error Message: logd_switch_logfiles.c

Problem Description: The current log file has filled, and a switch to the secondary log file is being performed. However, the secondary log file is also marked current.

System Action: The Log Daemon will terminate.

Administrator Action: The log files are invalid. Delete both the primary and secondary log file, and restart the Log Daemon.

LOGD0606 Log file truncate error

Source Files Generating Error Message: logd_switch_logfiles.c

Problem Description: The truncation of the logfile01 or logfile02 file back to the length of the log file header upon log file switch failed. This error should not occur.

System Action: The Log Daemon will exit.

Administrator Action: Restart the Log Daemon.

LOGD0607 Log file close failed

Source Files Generating Error Message: logd_switch_logfiles.c

Problem Description: A close of the logfile01 or logfile02 file failed.

System Action: The Log Daemon will terminate.

Administrator Action: Restart the Log Daemon.

Chapter 14

Location Server (LSRV)

LSRV0100 Internal Error (<info>)

Source Files Generating Error Message: ls_Connect.c ls_Main.c
Problem Description: A fatal internal inconsistency was encountered. This error should not occur.
System Action: The Location Server will terminate.
Administrator Action: Contact HPSS support with this message and restart the Location Server.

LSRV0101 Failed to initialize signals (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: Location Server could not set up signal handler. This error should not occur.
System Action: The Location Server will terminate.
Administrator Action: Restart the Location Server. If this error persists, contact HPSS support.

LSRV0102 Failed to pre-initialize connections (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: The Location Server failed to pre-initialize the connection manager.
System Action: The Location Server will terminate.
Administrator Action: Restart the Location Server.

LSRV0103 Failed to pre-register interface (<interface>)

Source Files Generating Error Message: ls_Main.c
Problem Description: Failed to pre-register <interface> with DCE.
System Action: The Location Server will terminate.
Administrator Action: Check DCE and restart the Location Server.

LSRV0104 Failed to initialize OFD manager (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: Failed to initialize OFD manager to SFS.
System Action: The Location Server will terminate.
Administrator Action: Check SFS and restart the Location Server.

LSRV0105 Failed to initialize configuration (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: Failed to read SFS metadata configuration information.
System Action: The Location Server will terminate.
Administrator Action: The LS and / or LS Policy may be misconfigured. Check this in SSM and, if needed, check SFS. Restart the Location Server.

LSRV0106 Failed to register interfaces (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: Couldn't register DCE RPC interfaces
System Action: The Location Server will terminate.
Administrator Action: Check DCE and restart the Location Server.

LSRV0107 Failed to register interface (<interface>)

Source Files Generating Error Message: ls_Main.c
Problem Description: Failed to register the specified RPC interface.
System Action: The Location Server will terminate.
Administrator Action: Check DCE and restart the Location Server.

LSRV0108 Failed to initialize connections (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: Failed to initialize HPSS connection manager.
System Action: The Location Server will terminate.
Administrator Action: Check DCE and restart the Location Server.

LSRV0109 Failed to initialize Security service (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: Failed to initialize HPSS security service.
System Action: The Location Server will terminate.
Administrator Action: Check DCE and restart the Location Server.

LSRV0110 Failed to initialize Authorization Vector (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: Failed to load DCE authorization information from DCE. ACL information may be misconfigured.
System Action: The Location Server will terminate.
Administrator Action: Fix the DCE problem and restart the Location Server.

LSRV0111 Fatal error during read lock (<lock name>)

Source Files Generating Error Message: ls_Lock.c

Problem Description: An unexpected error returned while attempting to read lock an internal Location Server lock.

System Action: The Location Server will terminate.

Administrator Action: Determine the error code and report to HPSS support. If the error is -11, this is a possible deadlock condition.

LSRV0112 Fatal error during write lock (<lock name>)

Source Files Generating Error Message: ls_Lock.c

Problem Description: An unexpected error returned while attempting to exclusive lock on an internal Location Server lock.

System Action: The Location Server will terminate.

Administrator Action: Determine the error code and report to HPSS support. If the error is -11, this is a possible deadlock condition.

LSRV0113 Out of memory (object: <info>)

Source Files Generating Error Message: ls_Common, ls_Connect.c, ls_CosBfs.c, ls_LocMap.c

Problem Description: A memory block could not be allocated with malloc().

System Action: The Location Server will terminate.

Administrator Action: Fix system memory shortage problem.

LSRV0114 Invalid connection state (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Invalid RPC connection state. This is an internal error and should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0115 Failed to initialize a pthread cond var (<info>)

Source Files Generating Error Message: ls_Common.c, ls_Lock.c, ls_Misc.c

Problem Description: Failed to initialize a condition variable. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0116 Failed to destroy a pthread cond var (<info>)

Source Files Generating Error Message: ls_Common.c, ls_Lock.c, ls_Misc.c

Problem Description: Failed to destroy a condition variable. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0117 Failed to signal a pthread cond variable (<info>)

Source Files Generating Error Message: ls_Connect.c, ls_CosBfs.c, ls_LocMap.c, ls_Lock.c, ls_Main.c, ls_Misc.c

Problem Description: Failed to signal a condition variable. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0118 Failed to broadcast on a cond var (<info>)

Source Files Generating Error Message: ls_Common.c, ls_Lock.c

Problem Description: Failed to broadcast a signal to a condition variable. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0119 Failure waiting on a timed cond var (<info>)

Source Files Generating Error Message: ls_CosBfs.c, ls_LocMap.c, ls_Lock.c, ls_Misc.c

Problem Description: A timed wait on a condition variable failed. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0120 Failed to initialize a pthread mutex (<mutex name>)

Source Files Generating Error Message: ls_Common.c, ls_Lock.c, ls_Main.c, ls_Misc.c

Problem Description: Failed to initialize the specified mutex lock. This error should never occur. It may indicate a possible out of memory condition.

System Action: The Location Server will terminate.

Administrator Action: Check for a possible out of memory condition. Otherwise contact HPSS support. Restart the Location Server.

LSRV0121 Failed to destroy a pthread mutex (<info>)

Source Files Generating Error Message: ls_Common.c, ls_Lock.c, ls_Misc.c

Problem Description: Failed to destroy a mutex lock. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0122 Failed to lock a pthread mutex (<info>)

Source Files Generating Error Message: Various

Problem Description: Failed to lock a mutex lock. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0123 Failed to unlock a pthread mutex (<info>)

Source Files Generating Error Message: Various

Problem Description: Failed to unlock a mutex lock. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0124 Failed to create a new thread (<info>)

Source Files Generating Error Message: ls_CosBfs.c, ls_Interface.c, ls_LocMap.c, ls_Misc.c

Problem Description: Failed to create a new pthread. This may indicate a possible out of memory condition, otherwise this error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Check for a possible out of memory condition. Otherwise, contact HPSS support. Restart the Location Server.

LSRV0125 Failed to setup a timed interval (<info>)

Source Files Generating Error Message: ls_Common.c, ls_Connect.c, ls_Lock.c, ls_Misc.c

Problem Description: Failed to compute a time interval before waiting on a condition variable. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0126 Failed to join with a thread (<info>)

Source Files Generating Error Message: ls_CosBfs.c, ls_LocMap.c, ls_Misc.c

Problem Description: Failed to join with a child pthread. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0127 Failed to detach a thread (<info>)

Source Files Generating Error Message: ls_CosBfs.c, ls_LocMap.c, ls_Misc.c

Problem Description: Failed to detach pthread. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0128 Invalid Request control block (<info>)

Source Files Generating Error Message: ls_Interface.c

Problem Description: An incomming request control block was corrupted. This error should never occur. This denotes a coding or memory corruption error.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0129 Invalid Request Type (<info>)

Source Files Generating Error Message: ls_Interface.c

Problem Description: An invalid request type was encountered in a request control block. This error should never occur. This denotes a coding or memory corruption error.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0130 Invalid Lock Pointer (<info>)

Source Files Generating Error Message: ls_Lock.c

Problem Description: Attempted to lock / unlock a NULL or uninitialized lock. This error should never occur and denotes a coding or memory corruption error.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0131 Invalid HPSS Installation UUID (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: A uuid denoting an HPSS site is corrupt. This error should never occur and denotes a coding or memory corruption error.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0132 Invalid UUID in cache (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: A cached uuid denoting an HPSS server is corrupt. This error should never occur and denotes a coding or memory corruption error.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0133 Failed to initialize location map (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: Failed to initialize the location map cache during startup / reinitialization. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: View the log for any recently reported error. Restart the Location Server.

LSRV0134 Failed to read locmaps at startup (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: Failed to read general server configuration entries during startup / reinitialization despite multiple tries.

System Action: The Location Server will terminate.

Administrator Action: Make sure the Location Server is configured to read general server configuration metadata entries and that SFS is working properly. Restart the Location Server.

LSRV0135 Failed to read configuration info (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: Failed to read a general server configuration entry for SSM during startup / reinitialization despite multiple tries.

System Action: The Location Server will terminate.

Administrator Action: Make sure the Location Server is configured to read general server configuration metadata entries and that SFS is working properly. Restart the Location Server.

LSRV0136 Can't determine local cell name (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The fully qualified name of the local cell cannot be determined.

System Action: The Location Server will terminate.

Administrator Action: Make sure DCE is configured and working properly. Contact HPSS support if the problem persists. Restart the Location Server.

LSRV0137 Failed to read policy info (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The Location Server policy metadata record could not be read during startup / reinitialization.

System Action: The Location Server will terminate.

Administrator Action: Make sure the Location Server policy metadata record has been created. Also make sure the Location Server is allowed to read the metadata file and that SFS is running properly. Restart the Location Server.

LSRV0138 Can't add server to rpcgroup (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: Failed to add the Location Server's CDS path to the local LS RPC Group during startup / reinitialization.

System Action: The Location Server will terminate.

Administrator Action: Make sure the RPC group is correct on the Location Server Policy record and that the parent path exists in CDS. If these are ok, make sure DCE is behaving properly. Restart the Location Server.

LSRV0139 Inconsistent LocMap Table (<info>)

Source Files Generating Error Message: ls_Interface.c

Problem Description: The Location Map Cache changed while a read lock was held. This error should never occur and denotes a coding or memory corruption error.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0140 Server listen routine failed (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The dce routine that listens for RPCs failed. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Check the log for any previous DCE related errors. Make sure DCE is running properly. Contact HPSS support and restart the Location Server.

LSRV0141 Can't destroy site table (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: During shutdown / reinitialization, the remote site table was busy and could not be destroyed.

System Action: The Location Server will terminate.

Administrator Action: During shutdown, no action is needed. During reinitialization, restart the Location Server.

LSRV0142 Can't free rpc string (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: A DCE allocated string could not be freed. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0143 Couldn't locate a random LS, coding error (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to locate a random LS to bind to. This error should never occur and denotes a coding error.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0144 Invalid HPSSId for this site (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The HPSS site id for the local site has an invalid format.

System Action: The Location Server will terminate.

Administrator Action: Make sure the local site's UUID has been defined properly on the Location Server Policy record. Restart the Location Server.

LSRV0145 HPSSId for this site is NIL (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The HPSS site id for the local site is zero.

System Action: The Location Server will terminate.

Administrator Action: Fill in the local site's UUID on the Location Server Policy record. Restart the Location Server.

LSRV0146 Bad uuid in authorization table (<info>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: A corrupted user uuid was found in the authorization table. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0147 Failed to read BFS config (<info>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: Failed to read BFS specific metadata record.

System Action: The Location Server will terminate.

Administrator Action: Make sure the BFS specific metadata record exists and that the Location Server has permissions to read it. Restart the Location Server.

LSRV0148 Long outstanding request. Reinit Failed (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: During reinitialization, a client request did not complete within the timeout period. Reinitialization could not be completed and the Location Server will terminate to allow a server restart.

System Action: The Location Server will terminate.

Administrator Action: Restart the Location Server.

LSRV0149 Can't release auth vector. Reinit Failed (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: Failed to release the HPSS authorization vector. Reinitialization could not be completed and the Location Server will terminate to allow a server restart.

System Action: The Location Server will terminate.

Administrator Action: Restart the Location Server.

LSRV0150 Exiting due to bad Root NS configuration (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: During startup / reinitialization, a unique root Name Server configuration could not be found. Either there are none defined or more than one defined.

System Action: The Location Server will terminate.

Administrator Action: Make sure there is one and only one root Name Server defined. Restart the Location Server.

LSRV0151 Failed to create mutex attributes (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: Failed to create mutex attributes. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0152 Failed to set non-recursive mutex attrs (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: Failed to default mutex attributes to non-recursive. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0153 Failed to initialize server (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: Failed to perform general HPSS server initialization.

System Action: The Location Server will terminate.

Administrator Action: Make sure the Location Server is configured properly and that it has access to and an entry in the server keytab file. Make sure DCE is working properly.

LSRV0154 Failed to set thread specific data key (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: Failed to create the pthread thread specific data key. This error should never occur. It may denote an out of memory condition.

System Action: The Location Server will terminate.

Administrator Action: Determine if the error denotes an out of memory condition (ENOMEM or EAGAIN). If it is not, contact HPSS support. Restart the Location Server.

LSRV0155 Local cell not in trusted cell table (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The trusted cell table does not contain the local cell name. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support and restart the Location Server.

LSRV0158 Can’t initialize server state service (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: Failed to initialize the HPSS server state manager. This may denote an out of memory condition.

System Action: The Location Server will terminate.

Administrator Action: determine if the error denotes an out of memory condition. If not, contact HPSS support and restart the Location Server.

LSRV0160 Invalid LS Policy Group Name (<group name>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The Location Server policy group name is in an invalid format.

System Action: The Location Server will terminate.

Administrator Action: Make sure the Location Server policy group points to a properly formatted CDS path. Restart the Location Server.

LSRV0161 Invalid Server Name format (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The Location Server CDS path is in an invalid format.

System Action: The Location Server will terminate.

Administrator Action: Make sure the Location Server CDS path is properly formatted. Restart the Location Server.

LSRV0162 Invalid Root NS environment variable format (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The environment variable containing the CDS path of the Root Name Server has an invalid format.

System Action: The Location Server will terminate.

Administrator Action: Make sure the root Name Server CDS path is properly formatted. Restart the Location Server.

LSRV0163 SERVER ABORTING DUE TO PREVIOUS FATAL ERROR (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The Location server is shutting down due to a previously reported fatal error.

System Action: The Location Server will terminate.

Administrator Action: View the log for the previous fatal error.

LSRV0164 Can’t destroy COS cache (<info>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: During shutdown / reinitialization, the Location Server failed to destroy the COS cache table. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Report to HPSS support. Restart the Location Server.

LSRV0165 Can’t destroy SClass cache (<info>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: The HPSS Storage Class cache could not be destroyed. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support. Recycle the Location Server.

LSRV0166 Can’t destroy Hierarchy cache (<info>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: The HPSS Hierarchy cache could not be destroyed. This error should never occur.

System Action: The Location Server will terminate.

Administrator Action: Contact HPSS support. Recycle the Location Server.

LSRV0300 Assertion Failed: <expression>

Source Files Generating Error Message: Various

Problem Description: Denotes an internal inconsistency. This error should never occur.

System Action: None. The Location Server will continue.

Administrator Action: Report the error to HPSS support and recycle the Location Server.

LSRV0301 Exception caught during request (<info>)

Source Files Generating Error Message: ls_Interface.c

Problem Description: An unexpected exception occurred during a request.

System Action: An error is returned for the request.

Administrator Action: If the problem persists, contact HPSS support.

LSRV0302 A lock timed out (<lock name>)

Source Files Generating Error Message: ls_Lock.c

Problem Description: An attempt to lock the specified lock timed out. This error should be very rare. It may denote a very loaded server.

System Action: If this occurs during a user request, the request is dropped and must be retried. If this occurs at any other time, the Location Server will terminate.

Administrator Action: If the server terminates due to this error, contact HPSS support. If the server continues to run, view the logs to determine if the Location Server is under heavy load. Consider replicating the server if this is the case.

LSRV0303 Invalid Server UUID in Config MData (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: A poorly formatted server uuid was encountered while reading server configurations.

System Action: The server information represented by the uuid will not be put into the location map cache until the problem is fixed.

Administrator Action: Fix the bad uuid with SSM. The maps will be reread periodically so recycling the Location Server is not needed.

LSRV0304 Nil Server UUID in Config Metadata (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: A zero (nil) server uuid was encountered while reading server configurations.

System Action: The server information represented by the uuid will not be put into the location map cache until the problem is fixed.

Administrator Action: Fill in the server's uuid with SSM. The maps will be reread periodically so recycling the Location Server is not needed.

LSRV0305 Bad UUID returned from remote LS server (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: An invalid uuid was returned for a remote Location Server. The maps may have been corrupted in transit. This error should be very rare.

System Action: All of the location map information returned is ignored. The information will be rerequested at a later time.

Administrator Action: None. If this error persists, contact the remote site's administrator.

LSRV0306 Can't remove LS from rpcgroup (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: During shutdown/restart, the Location Server's CDS path could not be removed from the Location Server RPC Group in CDS.

System Action: None. The Location Server continues to shutdown.

Administrator Action: Examine CDS to see if the RPC group has been altered or destroyed since the Location Server last started up. If this error persists, contact HPSS support.

LSRV0307 Invalid Server Path in Config MData (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: A general server configuration has an invalid CDS path for the server name

System Action: The server's information represented by the configuration will not be put into the location map cache until the problem is fixed.

Administrator Action: Fix the invalid CDS path. The maps will be reread periodically, so recycling the Location Server is not needed.

LSRV0308 Bad server name format during remove (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: While shutting down, the Location Server's CDS path was noticed to be corrupt and couldn't be removed from the Location Server RPC group. This error should never occur.

System Action: None. The Location Server continues to terminate.

Administrator Action: Verify that the Location Server's CDS path on the general configuration screen is in the proper format. If not, fix it. If it is contact HPSS support.

LSRV0309 Internal Error: Determine COS failed (<info>)

Source Files Generating Error Message: ls_Interface.c

Problem Description: The HPSS COS cache returned inconsistent results during a COS selection request. This error should never occur.

System Action: The client request is returned with an error.

Administrator Action: Contact HPSS support. Recycle the Location Server at a convenient time.

LSRV0310 Inconsistent hash of remote map (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: A remote location map hashed to a local map. This is most likely a misconfiguration problem

System Action: The map encountered is ignored until this problem is fixed. It will be periodically rechecked.

Administrator Action: Make sure the UUID on the Location Policy screen is not also defined as a remote site in the Remote Site metadata. If it is, remove it from the remote site file and restart/reinitialize the Location Server.

LSRV0326 Having trouble reading local maps (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The Location Server is having trouble reading all of the location maps into the cache. This is most likely a communication related problem.

System Action: None. Another attempt to reread the maps will be made in a few minutes.

Administrator Action: View the log. A previous message should be recorded which will help to determine the underlying cause. If this error occurs during startup, the location server will be unable to process requests until the problem ceases.

LSRV0327 Reading local maps problem cleared (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The previous problem reading location maps has cleared up.

System Action: None. The maps have been reread successfully.

Administrator Action: None.

LSRV0328 Server is under heavy load (<info>)

Source Files Generating Error Message: ls_Misc.c

Problem Description: The Location Server is under heavy request load.

System Action: The server will reject requests above it's thread limit. Clients will attempt to rebind to replicated Location Servers, if available.

Administrator Action: Consider replicating another Location Server.

LSRV0329 Cleared heavy load condition (<info>)

Source Files Generating Error Message: ls_Misc.c

Problem Description: The previously reported heavy load condition has ceased.

System Action: None.

Administrator Action: You should look through the log to determine when the heavy load condition started. If it lasted for more than a few minutes, consider replicating the Location Server.

LSRV0401 Can't get a connection binding handle (<server>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: Couldn't retrieve bindings for the specified server.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the specified server exists and is running.

LSRV0402 Can't open a connection (<server>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: Couldn't establish a connection to the specified server.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the specified server exists and is running.

LSRV0403 Failed to open a DCE rpcgroup (<group name>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Couldn't find or read the specified RPC group during a connection attempt.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the rpc group name is valid, that it exists in CDS and that the Location Server has permissions to open it.

LSRV0404 Failed to close a DCE rpcgroup (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to close the specified RPC group. This error should never occur.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Contact HPSS support.

LSRV0405 Failure trying to access an rpcgroup entry (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to read the specified RPC group. The RPC group may be misconfigured.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the RPC group name is valid, that it exists in CDS and that the Location Server has permissions to read it.

LSRV0406 Bad connection context (<info>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: Attempted to release an invalid connection block.

System Action: None.

Administrator Action: None. This is a known condition and is only reported as a debug message.

LSRV0407 Failed to perform timedwait on a cond var (<info>)

Source Files Generating Error Message: ls_Common.c, ls_Connect.c, ls_Misc.c

Problem Description: Failed to perform a timed wait on a condition variable. This occurrence is not fatal and the Location Server continues to run. This error should never occur.

System Action: The Location Server continues to run in degraded mode.

Administrator Action: Contact HPSS support.

LSRV0408 Failed to set up a timed interval (<info>)

Source Files Generating Error Message: ls_CosBfs.c, ls_LocMap.c

Problem Description: Failed to calculate a time interval to wait on a condition variable. This error should never occur.

System Action: The Location Server continues to run in degraded mode.

Administrator Action: Contact HPSS support.

LSRV0409 Trouble connecting to SSM (<info>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: Failed to contact SSM after repeated attempts. Server statistic updates will be dropped and resent. Server state updates will be accumulated and resent.

System Action: The Location Server will continue to try to contact SSM.

Administrator Action: Make sure SSM is running.

LSRV0410 Trouble getting BFS COS stats (<server>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: Couldn't contact the specified Bitfile Server to retrieve Class of Service statistics.

System Action: During startup / reinitialization, the Location Server will wait a while for the Bitfile Server to be contacted since it can't process COS selection requests. During normal operation, the Location Server will continue to process COS selection requests using the COS statistics already in its cache.

Administrator Action: Make sure the specified Bitfile Server is running and that the Location Server has permission to contact it.

LSRV0411 No CosBfs threads could be created (<info>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: No worker threads could be created to handle background updates of COS statistics. This error should never occur.

System Action: The Location Server will continue to operate in degraded mode. Requests will be serviced based on the COS statistics already in the Location Server's cache.

Administrator Action: Contact HPSS support. Recycle the Location Server.

LSRV0412 Failed to create a background thread (<info>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: A worker thread could not be created to handle background updates of COS statistics. This error should never occur.

System Action: Background information will be updated in degraded mode since at least one background thread was created to perform the update.

Administrator Action: Contact HPSS support. Recycle the Location Server when convenient.

LSRV0413 Error from a background CosBfs thread (<info>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: A worker thread performing background updates of COS statistics returned an error. This error should be very rare.

System Action: None.

Administrator Action: View the log for any indication of an error that may have caused this. If none can be determined, contact HPSS support.

LSRV0414 Could not leave a request connection (<info>)

Source Files Generating Error Message: ls_Interface.

Problem Description: Could not perform an HPSS leave connection for a client request. This error should not occur.

System Action: None.

Administrator Action: Contact HPSS support. Recycle the Location Server when convenient.

LSRV0415 Found a NULL Server Name in Config Metadata (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: A nil CDS path was found for a general server configuration.

System Action: The server's information represented by the server configuration will be ignored until the problem is fixed.

Administrator Action: Look for and fill in the server's CDS path in the general server configuration.

LSRV0416 A bad UUID was received (<info>)

Source Files Generating Error Message: ls_Common.c, ls_CosBfs.c, ls_Interface.c, ls_LocMap.c

Problem Description: A UUID with an invalid format was detected. This error should never occur.

System Action: In certain cases, this error is fatal and the Location Server will terminate. In other cases, the Location Server will ignore the location map passed to it until the problem is fixed.

Administrator Action: If the server terminates due to the error, contact HPSS support. Locate and fix the bad uuid.

LSRV0417 Failed to open a metadata file (<file name>)

Source Files Generating Error Message: ls_CosBfs.c, ls_LocMap.c, ls_Main.c

Problem Description: The metadata file specified couldn't be opened.

System Action: The open is retried several times. If it still fails, the Location Server terminates with an error.

Administrator Action: Make sure the file name is valid and that it exists and can be read by the Location Server. Restart the Location Server.

LSRV0418 Failed to close a metadata file (<file name>)

Source Files Generating Error Message: ls_CosBfs.c, ls_LocMap.c

Problem Description: The metadata file specified couldn't be closed.

System Action: The operation is retried several times. If it still fails, the Location Server terminates with an error.

Administrator Action: Make sure the file name is valid and that it exists and can be read by the Location Server. Restart the Location Server.

LSRV0419 Can't read location maps from metadata (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The Location Server is having trouble reading the location map information.

System Action: This error increases in severity over time. If it occurs too many times in a row during startup / reinitialization, the Location Server terminate. Otherwise, the Location Server will continue process requests with the information already stored in its cache.

Administrator Action: Make sure SFS is running and that the Location Server has read access to the general server configuration file.

LSRV0420 Can't get maps from remote location server (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The Location Server is having trouble obtaining location map information from a Location Server located at a remote site.

System Action: The Location Server will continue to process requests with the information already stored in its cache. If this occurs during startup, the Location Server will wait around for a few minutes for the remote site to come up. If it is still unavailable, the Location Server will start processing requests and act as if the remote site does not exist until it can be contacted.

Administrator Action: If this problem persists, make sure the remote Location Server is running and that it has been put into the Remote Site metadata file. Recycle the Location Server as needed.

LSRV0421 Cleared get maps problem with remote LS (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The previous error condition reading remote location maps information has cleared up.

System Action: The Location Server repairs its state.

Administrator Action: None.

LSRV0422 Too many Root NSs in config metadata (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: There are too many root Name Servers configured.

System Action: If this occurs during startup, the Location Server will terminate. Otherwise, the Location Server will continue to operate with the location map information already in its cache.

Administrator Action: Make sure there is only one root Name Server defined and executable.

LSRV0423 No local Root NS found in config metadata (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: There are no root Name Servers configured.

System Action: If this occurs during startup, the Location Server will terminate. Otherwise, the Location Server will continue to operate with the location map information already in its cache.

Administrator Action: Make sure there is one and only one root Name Server defined and executable.

LSRV0424 Can't create any background map threads (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: No worker threads could be created to gather remote location map information. This error should never occur.

System Action: The Location Server will continue to operate in degraded mode. Remote location map requests will be serviced with information already in the Location Server's cache.

Administrator Action: Contact HPSS support. Recycle the Location Server when convenient.

LSRV0425 A background map thread returned an error (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: An error was returned from a location map worker thread.

System Action: None.

Administrator Action: View the log for a previous error that may have caused this message. If the error is communication related, most likely the Location Server is having trouble contacting a remote Location Server.

LSRV0426 Can't unregister interface (<interface>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The specified interface can not be unregistered from DCE.

System Action: None. The server continues to shutdown/reinitialize.

Administrator Action: Verify that CDS is working properly.

LSRV0427 Call to sigwait() failed (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The Location Server's signal thread failed to wait for signals. This error should never occur.

System Action: The error is ignored and the call is retried.

Administrator Action: Contact HPSS support.

LSRV0428 Unknown signal ignored (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The Location Server's signal thread received an unknown signal. This error should never occur.

System Action: The signal is ignored.

Administrator Action: Contact HPSS support.

LSRV0429 Site still in use, will retry removal (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The Location Server failed to remove a site from the remote site table. This can be caused by a long remote COS selection request to that site.

System Action: The site is left in the table. It will be removed later.

Administrator Action: During shutdown/reinitialization, there is nothing to do. This can occur during normal operation usually as a warning if someone has removed the site with SSM, but an active request was found for that site.

LSRV0430 Failed to open a connection (<service>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to open an HPSS connection to the service specified.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the server is running and that the Location Server has access to it.

LSRV0431 Failed to get an rpc handle (<server, error msg>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to obtain an RPC binding handle for the specified server.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the server is up and that its bindings are published under the correct CDS path.

LSRV0432 Can't find rpc service (<server, error msg>)

Source Files Generating Error Message: ls_Common.c

Problem Description: Failed to locate bindings for specified server.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the server is up and that its bindings are published under the correct CDS path.

LSRV0434 Remote LS returned invalid CosBfs info (<remote rpcgroup>)

Source Files Generating Error Message: ls_Interface.c

Problem Description: During a remote COS selection request, a remote Location Server returned inconsistent results. This error should be very rare.

System Action: An error is returned to the client, and the request will be tried again.

Administrator Action: View the log to see if there are any communication related problems with the remote site. If not contact HPSS support.

LSRV0435 Invalid Admin State received from SSM (<info>)

Source Files Generating Error Message: ls_Interface.c

Problem Description: An invalid administrative state change was received from SSM during a server set attributes call.

System Action: The request is ignored and an error is returned to SSM.

Administrator Action: Make sure the SSM and LS binaries are compatible. If possible, remake them. If they are compatible, contact HPSS support.

LSRV0436 Can't read site metadata file (<encina error message>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: An error occurred while attempting to read the remote site metadata file.

System Action: The system will be unable to handle remote site requests properly until the problem is fixed.

Administrator Action: Take appropriate action based on the encina error message. Make sure that the remote site metadata file exists and can be accessed by the location server.

LSRV0437 Can't insert LocMap. Bad server UUID. (<server>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The location map information for the specified server was found to have a corrupted server UUID.

System Action: The location map will not be inserted into the location map cache. If information already exists for this server in the cache, it will continue to be used.

Administrator Action: Verify that the server's general server config contains a valid UUID. If so, contact HPSS support.

LSRV0438 Can't insert LocMap. Bad HPSS id. (<server>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The location map information for the specified server was found to have a corrupted HPSS site identifier UUID.

System Action: The location map will not be inserted into the location map cache. If information already exists for this server in the cache, it will continue to be used.

Administrator Action: Verify that the server's site has a valid UUID entered into both the Location Policy at the appropriate site. If so, contact HPSS support.

LSRV0439 Trouble closing connection (<info>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: Failed to close an HPSS connection to the Bitfile Server.

System Action: None. The connection continues to be torn down as completely as possible.

Administrator Action: View the log to determine if there was another BFS related communication problem recently. If not, contact HPSS support.

LSRV0440 Trouble freeing TRPC binding (<info>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: Failed to free up a TRPC binding to the Bitfile Server.

System Action: None. The connection continues to be torn down as completely as possible.

Administrator Action: View the log to determine if there was another BFS related communication problem recently. If not, contact HPSS support.

LSRV0441 Trouble freeing RPC binding (<info>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: Failed to free up an RPC binding to the Bitfile Server.

System Action: None. The connection continues to be torn down as completely as possible.

Administrator Action: View the log to determine if there was another BFS related communication problem recently. If not, contact HPSS support.

LSRV0442 Background LocMap update timed out (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: Background location map worker threads took too long to retrieve remote location map information.

System Action: The worker threads are terminated and the remaining sites will not be contacted. Existing information in the location map cache will continue to be used until these sites can be contacted.

Administrator Action: Determine if there is a communication related problem to one or more of the remote Location Servers. If not, you may want to increase the maximum number of location map worker threads in the Location policy.

LSRV0443 Background CosBfs update timed out (<info>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: Background COS/BFS worker threads took too long to retrieve storage statistics from the local Bitfile Servers.

System Action: The worker threads are terminated and the remaining BFSs will not be contacted. Existing information in the cosbfs cache will continue to be used until these servers can be contacted.

Administrator Action: Determine if there is a communication related problem to one or more of the local Bitfile Servers. If not, you may want to increase the maximum number of cosbfs worker threads in the Location policy.

LSRV0444 An invalid site has been configured (site <sitename>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: A remote site metadata record is invalid or incomplete.

System Action: The remote site represented by this record will not be contacted.

Administrator Action: Fix the remote site information in SSM.

LSRV0445 Couldn't forward a request (<remote rpcgroup>)

Source Files Generating Error Message: ls_Interface.c

Problem Description: An attempt to forward a COS selection request to a remote Location Server failed.

System Action: An error is returned to the client and the request will be retried by the client at a later time.

Administrator Action: Make sure the remote site specified in the remote rpcgroup is up and that there is at least one remote Location Server running at that site. View the log to determine if there have been any communication related problems to the remote site or remote Location Server recently.

LSRV0446 Re-established communication to <server>

Source Files Generating Error Message: ls_Connect.c, ls_CosBfs.c, ls_Interface.c

Problem Description: A previous communication problem related to the specified server has been fixed.

System Action: The degraded communication state of the Location Server is marked repaired if no other communication problems exist.

Administrator Action: None.

LSRV0447 Released bad connection (<server>)

Source Files Generating Error Message: ls_Common.c

Problem Description: A bad connection that had caused the Location Server to degraded its communication state is no longer needed and has been removed.

System Action: The degraded communication state of the Location Server is marked repaired if no other communication problems exist.

Administrator Action: None.

LSRV0448 Cleared previous LocMap timeout problem (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: A previous problem gathering remote location map information has cleared up.

System Action: The degraded communication state of the Location Server is marked repaired if no other communication problems exist.

Administrator Action: None.

LSRV0449 Locmap metadata inconsistency cleared (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The previously reported location map metadata inconsistency has cleared up.

System Action: The degraded state of the Location Server is marked repaired if no other problems exist.

Administrator Action: None.

LSRV0450 Cleared Root NS metadata inconsistency (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The previously reported root Name Server inconsistency has cleared up.

System Action: The degraded state of the Location Server is marked repaired if no other problems exist.

Administrator Action: None.

LSRV0451 Cleared Site table problem (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: A previous problem reading site metadata has cleared up.

System Action: The degraded state of the Location Server is marked repaired if no other problems exist.

Administrator Action: None.

LSRV0452 Local site does not match LS Policy (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The local site defined in the HPSS remote site file does not match the local site information in the Location Policy record.

System Action: The metadata record is ignored.

Administrator Action: Remove the local site from the HPSS remote site file. It is not needed.

LSRV0453 One or more BFSs are down since startup (<info>)

Source Files Generating Error Message: ls_Misc.c

Problem Description: Since the Location Server was started / reinitialized, at least one local BFS could not be contacted. This message appears after several minutes of attempts to contact BFS.

System Action: The Location Server will degrade its state and continue waiting for all of the BFSs to come up. If at least one BFS server is up, incomming client requests will be allowed to be processed.

Administrator Action: See if a BFS is down. If it needs to remain down since it is currently defined, but not in use, mark it non-executable.

LSRV0454 Cleared startup BFS comm problem (<info>)

Source Files Generating Error Message: ls_Misc.c

Problem Description: The Location Server has re-established communication to all previously unavailable Bitfile Servers.

System Action: Client requests are now allowed to proceed. The Location Server's communication state is marked repaired if no other communication related problems exist.

Administrator Action: None.

LSRV0455 Failed to cleanup a bad connection (<info>)

Source Files Generating Error Message: ls_Common.c

Problem Description: A thread has been waiting a long time for another thread to stop using a bad connection handle. This error should be very rare.

System Action: The request will be dropped with an error and later retried.

Administrator Action: View the log to determine if there is a communication problem. If this problem persists, contact HPSS support.

LSRV0456 Exception caught during RPC (<info>)

Source Files Generating Error Message: ls_Connect.c, ls_Interface.c, ls_LocMap.c

Problem Description: A runtime exception was generated during an RPC made by the Location Server to another server. This error should never occur.

System Action: An error is returned to the client / caller. The call will eventually be retried.

Administrator Action: Contact HPSS support.

LSRV0457 Can't get a server binding handle (<server>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: Couldn't location a binding for a specified Bitfile Server.

System Action: Gathering storage statistics for this BFS will be retried later.

Administrator Action: Make sure the specified Bitfile Server is running and that the Location Server has permissions to communicate with it.

LSRV0458 Can't construct a TRPC binding (<encina message>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: Failed to either construct a TRPC binding for the Bitfile Server, or properly set the binding's timeout value.

System Action: Gathering storage statistic for the Bitfile Server will be retried later.

Administrator Action: Follow actions according to the encina error message given. Make sure all Bitfile servers are running and that the Location Server has access to them. Make sure DCE and encina are working properly.

LSRV0459 Can't copy a TRPC binding (<encina message>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: Failed to create a local copy of the TRPC binding handle for a Bitfile Server.

System Action: Gathering storage statistics for the Bitfile Server will be retried later.

Administrator Action: Determine the action to take from the encina message if possible. Make sure all Bitfile servers are running and that the LOcation Server has access to them. Make sure DCE and encina are working properly.

LSRV0460 BFS is ignorant of a COS. Try recycling <BFS server name>

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: The Location Server knows about a COS that the Bitfile Server is ignorant of. This usually happens when a change has been made to the COS metadata and the LS has been recycled / reinitialized, but the BFS has not been recycled.

System Action: The Location Server will act as if the COS does not exist until the Bitfile Server is recycled and returns COS storage statistics to it.

Administrator Action: Recycle the Bitfile Server.

LSRV0461 RPC group does not exist (<rpcgroup>)

Source Files Generating Error Message: ls_Common.c

Problem Description: The specified rpcgroup does not exist.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the specified RPC group exists and that the Location Server has permissions to access it.

LSRV0462 RPC group is configured improperly (<rpcgroup>)

Source Files Generating Error Message: ls_Common.c

Problem Description: The RPC group specified appears to be configured improperly or inconsistent.

System Action: The connection attempt fails and will be retried later.

Administrator Action: Make sure the specified RPC group exists and its entries appear valid. If the problem persists, shutdown the Location Server, delete the RPC group with dcecp, and restart the Location Server. Make sure DCE is working properly.

LSRV0463 Can't load COS metadata cache. (Check path: <CDS path>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: The HPSS COS cache failed to read in the COS metadata after several tries.

System Action: The Location Server will be unable to process COS selection requests until the problem is fixed.

Administrator Action: Make sure that the specified CDS path is correct and that the metadata file is accessible to the Location Server. Make sure SFS is working properly.

LSRV0464 Cleared metadata cache load problem

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: The previous problem loading the COS cache with COS metadata has cleared up.

System Action: Any degraded state caused by this problem is marked as repaired.

Administrator Action: None.

LSRV0465 One or more remote LSs are down since startup (<info>)

Source Files Generating Error Message: ls_Misc.c

Problem Description: Since the Location Server was started/reinitialized, it has been unable to contact one or more remote Location Servers. It will be unable to process requests properly for the unreachable sites.

System Action: The Location Server will now allow incomming client requests to continue.

Administrator Action: Make sure all of the remote Location Servers are, accessible, and that they have entries in the Remote HPSS Site metadata file.

LSRV0466 Cleared startup remote LS comm problem (<info>)

Source Files Generating Error Message: ls_Misc.c

Problem Description: The previous problem of contacting remote Location Servers has cleared up. All defined remote Location Servers have now been contacted.

System Action: The Location Server state is repaired if no other communication problems exist.

Administrator Action: None.

LSRV0467 Can't load SClass cache. (Check path: <CDS path>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: The HPSS Storage Class cache failed to read in the Storage Class metadata after several tries.

System Action: The Location Server will be unable to process COS selection requests until the problem is fixed.

Administrator Action: Make sure that the specified CDS path is correct and that the metadata file is accessible to the Location Server. Make sure SFS is working properly.

LSRV0468 Can't load Hierarchy cache. (Check path: <CDS path>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: The HPSS Hierarchy cache failed to read in the Hierarchy metadata after several tries.

System Action: The Location Server will be unable to process COS selection requests until the problem is fixed.

Administrator Action: Make sure that the specified CDS path is correct and that the metadata file is accessible to the Location Server. Make sure SFS is working properly.

LSRV0469 Bad authorization service in binding (<info>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: An incomming request had an invalid authorization service in its binding. This error should not normally occur.

System Action: The request is refused with a permission error.

Administrator Action: It may indicate a client is attempting unauthorized access to the Location Server by bypassing the client API. It may also indicate that the client code is a significantly different version than the Location Server code and that one or the other may need to be recompiled / relinked.

LSRV0470 No remote maps returned (<info>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: No location maps were returned from a remote Location Server. This error should never occur.

System Action: The existing maps for the site will be retained in the Location Server's cache.

Administrator Action: Make sure there is no communication related problem to the remote site and that the remote site is running properly. Report this error to HPSS support.

LSRV0501 Initializing Location Server (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The Location Server initialization has begun.

System Action: None.

Administrator Action: None.

LSRV0502 Location Server is ready (<info>)

Source Files Generating Error Message: ls_Main.c

Problem Description: The Location Server initialization is complete. Note that client requests may not be allowed for several minutes if one or more Bitfile Servers or remote Location Servers are down.

System Action: None.

Administrator Action: None.

LSRV0503 Server reinitialization started (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: The Location Server reinitialization has begun.
System Action: None.
Administrator Action: None.

LSRV0504 Server reinitialization complete (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: The Location Server reinitialization is complete. Note that client requests may not be allowed for several minutes if one or more Bitfile Servers or remote Location Servers are down.
System Action: None.
Administrator Action: None.

LSRV0505 Server Halting quickly (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: The Location Server is starting a quick shutdown.
System Action: The Location Server will terminate.
Administrator Action: None.

LSRV0506 Starting slow shutdown (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: The Location Server is starting a normal shutdown.
System Action: The Location Server will terminate.
Administrator Action: None.

LSRV0507 Server Shutdown Complete (<info>)

Source Files Generating Error Message: ls_Main.c
Problem Description: The Location Server has finished a normal shutdown and is exiting.
System Action: The Location Server will terminate.
Administrator Action: None.

LSRV0600 Entering API: <API name>

Source Files Generating Error Message: ls_Interface.c
Problem Description: The specified API RPC request is starting
System Action: None.
Administrator Action: None.

LSRV0601 Leaving API: <API name>

Source Files Generating Error Message: ls_Interface.c
Problem Description: The specified API RPC request is finished
System Action: None.
Administrator Action: None.

LSRV0700 Reading Remote Maps (<rpcgroup name>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The Location Server is starting to reread remote location maps from a location server in the specified rpcgroup.

System Action: None.

Administrator Action: None.

LSRV0701 New BFS Connection (<bfs>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: A new BFS has been noticed by the Location Server and a connection has been created for it and put into the Location Server's BFS table.

System Action: None.

Administrator Action: None. This occurs during startup for each BFS, and thereafter whenever a new BFS is defined in SSM.

LSRV0702 Removing old BFS connection (<bfs>)

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: An old BFS is being removed from Location Server's BFS table and it's connection destroyed.

System Action: None.

Administrator Action: None. This occurs whenever a BFS definition is removed or marked non-executable in SSM.

LSRV0703 New Remote LS Connection (<rpcgroup name>)

Source Files Generating Error Message: ls_LocMap.c

Problem Description: A new remote Location Server was noticed by the Location Server in the Remote HPSS Site metadata file. The Location Server is establishing a connection to the new server.

System Action: None.

Administrator Action: None.

LSRV0705 Removing <site name> from site table

Source Files Generating Error Message: ls_LocMap.c

Problem Description: A site is being removed from the remote site table. This happens at shutdown/reinitialization and whenever a site is removed from the Remote HPSS Site metadata file.

System Action: None.

Administrator Action: None.

LSRV0707 Entering: <function name>

Source Files Generating Error Message: None.

Problem Description: This message is currently unused.

System Action: None.

Administrator Action: None.

LSRV0708 Leaving: <function name>

Source Files Generating Error Message: None.

Problem Description: This message is currently unused.

System Action: None.

Administrator Action: None.

LSRV0709 CosBfs Information: <action>

Source Files Generating Error Message: ls_CosBfs.c

Problem Description: The specified action is taking place. COS storage statistics are either starting to be loaded or have just finished loading in.

System Action: None.

Administrator Action: None.

LSRV0710 LocMap Information: <action>

Source Files Generating Error Message: ls_LocMap.c

Problem Description: The specified action is taking place. Location maps are either starting to be loaded or have just finished loading in.

System Action: None.

Administrator Action: None.

LSRV0711 AuthzTable Cleanup (<deleted>, <remaining>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: The authorization table has been cleaned up. The specified number of stale entries have been deleted, and the specified number of valid entries remain.

System Action: None.

Administrator Action: None.

LSRV0712 Bad request binding received (<info>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: An invalid binding has been received from a client.

System Action: The request is returned with a permission error.

Administrator Action: None.

LSRV0713 Bad authentication level in request binding (<info>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: A client request had an invalid authentication level annotated on the binding.

System Action: The request is returned with a permission error.

Administrator Action: None.

LSRV0714 Can't get principal name from registry (<info>)

Source Files Generating Error Message: ls_Connect.c

Problem Description: A client request had a principal name that couldn't be located in the DCE registry.

System Action: The request is returned with a permission error.

Administrator Action: None.

LSRV0715 Client interface is ready (<info>)

Source Files Generating Error Message: ls_Misc.c

Problem Description: The Location Server is ready to receive client requests.

System Action: None.

Administrator Action: None.

LSRV0716 Server watch thread is done (<info>)

Source Files Generating Error Message: ls_Misc.

Problem Description: The thread which waits around at startup/reinitialization time to make sure the local BFSs and remote Location Servers can be contacted has verified that all of the servers can be contacted, so it is terminating.

System Action: None.

Administrator Action: None.

Chapter 15

Metadata Manager API Error Messages (MMGR Series)

MMGR0001 Database inoperable due to unspecified SFS error condition

Source Files Generating Error Message: Any source file in src/mm/apis

Problem Description: The error reflects an unexpected SFS error that could not be mapped onto more specific metadata return codes.

System Action: System cannot properly operate until administrative actions are taken.

Administrator Action: Review the HPSS log for entries related to the server having this error. There should be a log entry containing the detailed SFS error message that was mapped into this database inoperable condition. Correct problem according to SFS documentation.

MMGR0002 Metadata SFS advisory: <Encina SFS text>

Source Files Generating Error Message: metadata.c

Problem Description: An alarm or security event situation has occurred in a client attempting to access the SFS server. This is due to insufficient authority or access rights, the maximum number of SFS records being exhausted, or SFS space is exhausted.

System Action: For resource-related events, system cannot properly operate until administrative actions are taken. For security-related events, determine cause of security violation.

Administrator Action: Review Encina SFS documentation for cause of specific error referred to in the <Encina SFS text>. Correct as directed.

Chapter 16

Metadata Monitor Error Messages (MMON Series)

MMON0001 Administrative shutdown requested

Source Files Generating Error Message: monitor_loop.c

Problem Description: The Metadata Manager Process is terminating as a result of SSM setting its Administrative State to shutdown.

System Action: None.

Administrator Action: None.

MMON0002 Can't create thread, call to pthread_create failed

Source Files Generating Error Message: mm_monitor.c

Problem Description: Unable to create a required thread inside the application.

System Action: None.

Administrator Action: Review the error / status condition logged with the message, assess why pthread_create returned this value, and take appropriate action.

MMON0003 Metadata Monitor has insufficient DCE authority to query SFS

Source Files Generating Error Message: monitor_sfs.c

Problem Description: The principal under which the application is running has not been granted permission to query the specified Encina SFS server.

System Action: None.

Administrator Action: Review and change ACLs on the Encina SFS CDS server-name entry to allow the principal under which the Metadata Monitor process runs to query SFS.

MMON0004 SFS is not configured with any available space

Source Files Generating Error Message: monitor_sfs.c

Problem Description: The Encina SFS Server being monitored has no space allocated to it.

System Action: Shutdown HPSS system as it is inoperable.

Administrator Action: Complete installation / configuration of the Encina SFS.

MMON0005 <Metadata Monitor server name> initialization completed

Source Files Generating Error Message: mm_monitor.c

Problem Description: Initialization of the application has completed. It is now beginning to monitor the assigned Encina SFS Server and is able to respond to SSM requests.

System Action: None.

Administrator Action: None.

MMON0006 <Metadata Monitor server name> is initializing

Source Files Generating Error Message: mm_monitor.c

Problem Description: The application is starting up and is initializing.

System Action: None.

Administrator Action: None.

MMON0007 <Metadata Monitor server name> is reinitializing

Source Files Generating Error Message: monitor_loop.c

Problem Description: The application has received a reinitialization request from SSM and is performing the necessary reinitialization steps.

System Action: None.

Administrator Action: None.

MMON0008 <Metadata Monitor server name> is terminating

Source Files Generating Error Message: mm_monitor.c

Problem Description: The application has either received a shutdown directive from SSM or it received a signal and it is now terminating.

System Action: None.

Administrator Action: Verify server received proper directive from SSM or was manually signalled to terminate. Restart the application if necessary.

MMON0009 SFS error: <Encina error text>

Source Files Generating Error Message: monitor_sfs.c

Problem Description: An unexpected error was received when attempting to query the Encina SFS Server.

System Action: None.

Administrator Action: Review the detailed SFS error message appended to this message and take appropriate action as directed by the Encina documentation.

MMON0010 Unable to initialize condition variable

Source Files Generating Error Message: pthread_support.c

Problem Description: An internal error was received when attempting to initialize a pthread condition variable.

System Action: None.

Administrator Action: Review the errno logged with this message and determine why pthread_cond_init returned this value. Correct according to pthread documentation.

MMON0011 Unable to initialize mutexes

Source Files Generating Error Message: pthread_support.c

Problem Description: An internal error was received when attempting to initialize a pthread mutex variable.

System Action: None.

Administrator Action: Review the errno logged with this message and determine why pthread_mutex_init returned this value. Correct according to pthread documentation.

MMON0012 Attempt to lock mutex failed

Source Files Generating Error Message: pthread_support.c

Problem Description: An internal error was received when attempting to lock a pthread mutex.

System Action: None.

Administrator Action: Review the errno logged with this message and determine why pthread_mutex_lock returned this value. Correct according to pthread documentation.

MMON0013 Unable to open detailed config SFS file: <Encina error text>

Source Files Generating Error Message: read_config_metadata.c

Problem Description: The application was unable to successfully open the detailed server configuration SFS file.

System Action: None.

Administrator Action: Verify that the SFS configuration file specified for this server is valid and exists. Verify that the SFS server is running. Review and correct ACLs on the detailed SFS configuration file for the Metadata Monitor process.

MMON0014 Unable to open server config SFS file: <Encina error text>

Source Files Generating Error Message: read_config_metadata.c

Problem Description: The application was unable to successfully open the server configuration SFS file.

System Action: None.

Administrator Action: Verify that the SFS configuration file specified for this server is valid and exists. Verify that the SFS server is running. Review and correct ACLs on the general SFS server configuration file.

MMON0015 Unable to read detailed config metadata: <Encina error text>

Source Files Generating Error Message: read_config_metadata.c

Problem Description: The application was unable to successfully read the detailed Metadata Monitor configuration SFS file.

System Action: None.

Administrator Action: Create a Metadata Monitor configuration entry in the detailed configuration metadata file.

MMON0016 Unable to read HPSS server config metadata: <Encina error text>

Source Files Generating Error Message: read_config_metadata.c

Problem Description: The application was unable to successfully read its general server configuration metadata from SFS.

System Action: None.

Administrator Action: Create a general server configuration entry for the Metadata Monitor process/server.

MMON0017 Unable to register service: <DCE error text>

Source Files Generating Error Message: mm_monitor.c

Problem Description: An error was received in attempting to register with DCE CDS a Metadata Monitor RPC interface.

System Action: None.

Administrator Action: Review the DCE status code logged with this message and consult DCE documentation as to the cause of the error and appropriate actions to take.

MMON0018 Attempt to unlock mutex failed

Source Files Generating Error Message: pthread_support.c

Problem Description: An internal error was received when attempting to unlock a pthread mutex.

System Action: None.

Administrator Action: Review the errno logged with this message and determine why pthread_mutex_unlock returned this value. Correct according to pthread documentation.

MMON0019 trdce_ServerListen error: <DCE error text>

Source Files Generating Error Message: mm_monitor.c

Problem Description: An error was received when attempting to listen for RPC/TPRC calls.

System Action: None.

Administrator Action: Review the detailed DCE error message appended to this message. Consult DCE documentation for corrective actions.

MMON0020 Unable to read SSM server config metadata: <Encina error text>

Source Files Generating Error Message: read_config_metadata.c

Problem Description: An attempt to read the SSM server configuration entry from SFS, as referred to by the Metadata Monitor server configuration entry, failed.

System Action: None.

Administrator Action: Either correct the SSM reference in the general Metadata Monitor configuration entry, or add the SSM entry in the general configuration table.

MMON0021 Unable to preregister service: <DCE error text>

Source Files Generating Error Message: mm_monitor.c

Problem Description: An internal error occurred when attempting to pre-register an RPC interface with DCE.

System Action: None.

Administrator Action: Review the detailed DCE error text appended to this message. Consult DCE documentation for corrective actions.

MMON0022 Unable to initialize security

Source Files Generating Error Message: read_config_metadata.c

Problem Description: An internal error occurred when attempting to initialize the HPSS security environment for this application.

System Action: None.

Administrator Action: Review and correct security information in the server's general configuration data.

MMON0023 Unable to initialize authorization vector

Source Files Generating Error Message: mm_monitor.c

Problem Description: An internal error occurred when attempting to initialize the HPSS security environment for this application in order to permit authorized principals to issue requests.

System Action: None.

Administrator Action: Review the status code logged with this message, determine why the hsec_InitAuthzVector API returned this error, and take appropriate corrective actions.

MMON0024 Bad connection handle received from SSM

Source Files Generating Error Message: monitor_server.c

Problem Description: SSM has passed to the Metadata Monitor an invalid connection handle, representing a software error. However, this condition will automatically be corrected by SSM and the Metadata Monitor.

System Action: None.

Administrator Action: None.

MMON0025 Unable to pre-initialize connections: <DCE error text>

Source Files Generating Error Message: mm_monitor.c

Problem Description: An internal error occurred when attempting to pre-initialize the internal HPSS connection code.

System Action: None.

Administrator Action: Review the detailed DCE error text appended to this message. Consult DCE documentation for corrective actions.

MMON0026 Unable to initialize connections

Source Files Generating Error Message: mm_monitor.c

Problem Description: An internal error occurred when attempting to initialize the internal HPSS connection code.

System Action: None.

Administrator Action: Review the DCE status code logged with this message. Consult DCE documentation on corrective actions.

MMON0027 Unable to open connection

Source Files Generating Error Message: mm_monitor.c, notify_ssm_on_updated_fields.c

Problem Description: An internal error occurred when attempting to open a connection to the SSM application.

System Action: None.

Administrator Action: Review the DCE status code logged with this message. Consult DCE documentation on corrective actions.

MMON0028 Fatal initialization error: <DEC error text>

Source Files Generating Error Message: mm_monitor.c

Problem Description: An initialization error has occurred.

System Action: None.

Administrator Action: Review the accompanying error description to determine the cause of the problem. Verify that the corresponding DCE principal ID is defined. Verify that the key table file exists, is readable, and has an entry for this principal.

MMON0029 SFS server <SFS server name> is not running

Source Files Generating Error Message: monitor_sfs.c

Problem Description: The Encina SFS server being monitored is no longer running.

System Action: None.

Administrator Action: Restart the Encina SFS server.

MMON0030 SFS volume <SFS server name>/<SFS volume> is <number> % full

Source Files Benerating Error Message: monitor_sfs.c

*Problem Description:*The amount of space being used by the reference SFS volume is greator than or equal to the warning and / or critical thresholds set in the metadata monitor application. If the alarm is a warning, only the warning threshold has been exceeded. If the alarm is critical, the critical threshold has been exceeded.

System Action: Minimize amount of HPSS requests and activity if the critical threshold is exceeded.

Administrator Action: Increase the amount of space for the SFS logical volume or move selected SFS files to alternate volumes.

Chapter 17

Mover Error Messages (MOVR Series)

MOVR0001 async read operation (aio_read) failed

Source Files Generating Error Message: mvr_asyncio.c
Problem Description: The Mover could not start an asynchronous read operation from a device.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0002 async write operation (aio_write) failed

Source Files Generating Error Message: mvr_asyncio.c
Problem Description: The Mover could not start an asynchronous write operation to a device.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0003 Device ID <device ID> out of range

Source Files Generating Error Message: various
Problem Description: A request specified a device identifier that is out of the range of valid device identifiers.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine the source of the request, and cause of invalid device identifier.

MOVR0004 Device <device ID> not configured

Source Files Generating Error Message: various
Problem Description: A request specified a device identifier that does not correspond to a device that is configured for the Mover.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine the source of the request, and cause of invalid device identifier.

MOVR0005 Invalid SelectionFlags <specified value>

Source Files Generating Error Message: mvr_dceif.c, mvr_devattr.c
Problem Description: A request specified an invalid value for the SelectionFlags parameter.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine the source of the request, and cause of invalid selection flags.

MOVR0006 Change of unsettable dev attr,SelFlags = <specified value>

Source Files Generating Error Message: mvr_dceif.c, mvr_devattr.c

Problem Description: A request to set device object attributes specified changing an unsettable attribute.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and cause of invalid selection flags.

MOVR0007 Invalid device attribute value: attr <attribute ID>, value <specified value>

Source Files Generating Error Message: mvr_dceif.c, mvr_devattr.c

Problem Description: A request to set device object attributes specified an invalid attribute value.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and cause of invalid attribute value.

MOVR0008 Bad request specific info type: subfunc <sub function>, type <specified type>

Source Files Generating Error Message: various

Problem Description: A device specific request contained an information type that was invalid for the operation requested.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid information type.

MOVR0009 Bad device specific subtype: <specified sub-type>

Source Files Generating Error Message: mvr_devspec.c

Problem Description: A device specific request contained an invalid request sub-type.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid subtype.

MOVR0010 Device <device ID> is not currently open

Source Files Generating Error Message: various

Problem Description: A request that requires a device to have previously been opened was attempted on a device that had not previously been opened.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the request being made when the device was not open.

MOVR0011 Error reading device <device ID>, vol <volume ID>, sec <section>, off <section offset>

Source Files Generating Error Message: mvr_asyncio.c

Problem Description: An error was encountered while reading data from a device.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium, verify that the request was for a valid data position. Run "**errpt**" on the suspected node and check to see if a "TAPE DRIVE FAILURE" entry exists. This indicates an unrecoverable error. Have the CE check the drive for problems or make sure that the drive has been regularly cleaned with a cleaning cartridge.

MOVR0012 Error writing device <device ID>, vol <volume ID>, sec <section>, off <section offset>

Source Files Generating Error Message: mvr_asyncio.c

Problem Description: An error was encountered while writing data to a device.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium, verify that the request was for a valid data position (for sequential media, this error may be generated at end-of-media).

MOVR0013 Tape <device ID> in unwritable position, vol <volume ID>, sec <section>, off <section offset>

Source Files Generating Error Message: mvr_asyncio.c

Problem Description: An attempt was made to write to a tape at an invalid position.

System Action: The current request is aborted and an error indication is returned to the client specification.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0014 Tape <device ID> in unreadable position, vol <volume ID>, sec <section>, offs <section offset>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt was made to read from a tape at an invalid position.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0015 Absolute addressing not supported on device <device ID>, type <device type>

Source Files Generating Error Message:mvr_tape.c

Problem Description: An attempt was made to perform absolute positioning on a device that does not support absolute positioning.

System Action: This message is logged, and the tape is position using the relative positioning information provided.

Administrator Action: Verify that the device is configured to support absolute positioning and that the Mover was built with any required device specific interface code enabled. If the device and Mover are properly configured, determine the source of the request, and the cause of the invalid request specification.

MOVR0016 Open of device <device ID> (<device name>) failed

Source Files Generating Error Message: mvr_disk.c, mvr_tape.c

Problem Description: An attempt to access a device could not be satisfied because the device file could not be opened.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium, verify that the correct device name is configured for the drive and that the user ID under which the Mover is running has read and write access to the device.

MOVR0017 Rewind of device <device ID> failed

Source Files Generating Error Message: mvr_tape.c

Problem Description: A tape rewind operation failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0018 Read of label on device <device ID> failed, ret = <return code>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to read the media volume label failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0019 Verification of label on dev <device ID> failed: <volume ID on media> and <specified volume ID>

Source Files Generating Error Message: mvr_disk.c, mvr_tape.c

Problem Description: The volume label specified did not match the volume label written on the media.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0020 Unload of device <device ID> failed

Source Files Generating Error Message: mvr_tape.c

Problem Description: An unload operation failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0021 Forward space file on device <device ID> failed, count = <filemark count>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to position a tape forward a number of tape marks failed.

System Action: The current positioning information is reset and attempt is made to retry the positioning operation.

Administrator Action: Perform problem determination on the device/medium, verify that the target position is a valid data position.

MOVR0022 Reverse space file on device <device ID> failed, count = <filemark count>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to position a tape backward a number of tape marks failed.

System Action: The current positioning information is reset and attempt is made to retry the positioning operation.

Administrator Action: Perform problem determination on the device/medium, verify that the target position is a valid data position.

MOVR0023 Header read on device <device ID>, volume <volume ID>, section <section> failed, ret = <return code>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to read a tape section header failed.

System Action: The current positioning information is reset and attempt is made to retry the positioning operation.

Administrator Action: Perform problem determination on the device/medium, verify that the target position is a valid data position.

MOVR0024 Forward space record on device <device ID> failed, count = <block count>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to position a tape forward a number of blocks failed.

System Action: The current positioning information is reset and attempt is made to retry the positioning operation.

Administrator Action: Perform problem determination on the device/medium, verify that the target position is a valid data position.

MOVR0025 Label write on device <device ID> failed, ret = <return value>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to write a volume label failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium (for sequential media, this error may be generated at end-of-media).

MOVR0026 Header write on device <device ID>, volume <volume ID>, section <section> failed, ret = <return code>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to write a tape section header failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium (for sequential media, this error may be generated at end-of-media).

MOVR0027 Tape mark write on device <device ID>, vol <volume ID> failed

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to write a tape mark failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium (for sequential media, this error may be generated at end-of-media).

MOVR0028 Attempt to obtain timer expiration date failed

Source Files Generating Error Message: mvr_.dcemainc

Problem Description: A request to obtain the time at which the timer is to periodically notify the HPSS Storage System Manager of the current state of the Mover failed.

System Action: The Mover terminates.

Administrator Action: Internal Mover Error. Report to HPSS Support.

MOVR0029 DD2 set blocksize failed for device <device ID>, vol <volume ID>, blocksize = <block size>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to set the current blocksize of an Ampex DD-2 tape failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0030 Error getting position on DD2 tape <device ID>, vol <volume ID>, sec <section>, block <section block>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to query the current position of an Ampex DD-2 tape failed.

System Action: The current positioning information is reset and attempt is made to retry the positioning operation.

Administrator Action: Perform problem determination on the device/medium.

MOVR0031 Error positioning DD2 tape <device ID>, vol <volume ID>, sec <section>, off <section offset>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to position an Ampex DD-2 tape failed.

System Action: The current positioning information is reset and attempt is made to retry the positioning operation.

Administrator Action: Perform problem determination on the device/medium, verify that the target position is a valid data position.

MOVR0032 Could not get tape absolute position for dev <device ID>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to query the current absolute position of a tape failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0033 IPI-3 I/O (ipi3_slave_async_io) failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to transfer data via IPI-3 failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer and that the IPI-3 configuration is correct. If so, perform IPI-3 problem determination.

MOVR0034 IPI-3 data transfers not currently supported by mover

Source Files Generating Error Message: various

Problem Description: A request specified an IPI-3 address, however the Mover does not support IPI-3 transfers.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: If IPI-3 over HIPPI is supported on the node on which the Mover is running, that Mover must be built with IPI-3 support enabled.

MOVR0035 PIOFS change view failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to change the view of a PIOFS file failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request. If the request is valid, perform PIOFS problem determination.

MOVR0036 PIOFS not currently supported by mover

Source Files Generating Error Message: various

Problem Description: A request specified a PIOFS file address, however the Mover dos not support PIOFS transfers.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: If PIOFS transfers are supported on the node on which the Mover is running, that Mover must be built with PIOFS support enabled.

MOVR0037 Invalid source/sink reply list in IOR

Source Files Generating Error Message: mvr_iodior.c

Problem Description: An invalid source/sink reply list was detected while freeing memory allocate to an IOR.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0038 Invalid request specific reply in IOR

Source Files Generating Error Message: mvr_iodior.c

Problem Description: An invalid request specific reply entry was detected while freeing memory allocated to an IOR.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0039 Invalid function <specified function> specified in IOD

Source Files Generating Error Message: various

Problem Description: A request specified an unrecognized function.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0040 Invalid shared memory id <shared memory ID>

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: The Mover TCP/IP listen process was started with an invalid shared memory identifier.

System Action: The Mover terminates execution.

Administrator Action: Internal mover error, contact HPSS support.

MOVR0041 Could not bind to address <IP address>, port <port number>

Source Files Generating Error Message: mvr_misc.c

Problem Description: The Mover TCP/IP listen process could not create the listen port with the address specified in the Mover's configuration metadata.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the Mover is already running.

MOVR0042 No available request table slots

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: A request could not be satisfied because the Mover request table is full.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the cause for the large number of outstanding Mover operations.

MOVR0043 Could not receive IOD

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: An error was detected while attempting to receive an IOD.

System Action: The IOD is ignored.

Administrator Action: Determine the source of the invalid IOD or the system error causing the failure of the Mover to receive it.

MOVR0044 Could not send IOR

Source Files Generating Error Message: mvr_lstntsk.c, mvr_prot.c

Problem Description: An error was detected while attempting to send an IOR.

System Action: None.

Administrator Action: Determine the client receiving the IOR and verify that the request is still outstanding.

MOVR0045 Could not allocate memory for IOR

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: Memory could not be allocated to hold the status of a request.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0046 Bad request slot <request slot number>

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: The Mover detected an invalid request table slot number.

System Action: None.

Administrator Action: Internal mover error, contact HPSS support.

MOVR0047 Bad IP port: <port number>

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: The Mover TCP/IP listen port was started with an invalid TCP/IP port number.

System Action: The Mover terminates execution.

Administrator Action: Verify that the Mover configuration metadata is correct.

MOVR0048 Source/Sink offset mismatch, mover offset <transfer offset>

Source Files Generating Error Message: mvr_srcsink.c

Problem Description: A transfer offset specified in the Mover side of a transfer had no corresponding entry on the client side of a transfer.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0049 Invalid stripe address at mover offset <transfer offset>, <src/sink descriptor offset>

Source Files Generating Error Message: mvr_srcsink.c

Problem Description: A Mover side stripe address contained an invalid offset.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0050 Invalid address type: <specified address type>

Source Files Generating Error Message: various

Problem Description: A request specified an invalid address type.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0051 Invalid source/sink descriptor list length

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: A request specified a negative source/sink descriptor length.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0052 Zero source/sink descriptor length

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: A request specified a source/sink descriptor length of zero.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0053 Invalid device stripe list length: <specified length>

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: A request specified an invalid device stripe list length (!= 1).

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0054 Stripe parms out of range: BS <stripe block size>, Width <stripe width>

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: A request specified stripe parameters that would make the arithmetic needed to process the stripe impossible.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0055 Hit end of source/sink list, length was <list length>, found <specified length>

Source Files Generating Error Message: various

Problem Description: A request specified a source / sink list that contained less entries than indicated by the specified list length.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0056 Verification of IOD failed

Source Files Generating Error Message: various

Problem Description: A request specified an invalid IOD. A previous message indicates the specific error.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0057 Attempt to obtain device failed

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: An attempt to gain control of a device failed. A previous message indicates the specific error.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0058 Tape open failed for device <device ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to open a tape device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0059 Tape close failed for device <device ID>, volume <volume ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to close a tape device failed.

System Action: None.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0060 Tape position failed for device <device ID>, volume <volume ID>

Source Files Generating Error Message: various

Problem Description: An attempt to change the position of a tape failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0061 Tape read failed for device <device ID>, volume <volume ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to initiate a read for a tape failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0062 Tape write failed for device <device ID>, volume <volume ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to initiate a write for a tape failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0063 Error calculating next transfer offset, current: <transfer offset>

Source Files Generating Error Message: various

Problem Description: The Mover could not determine the next offset within a transfer for which it is responsible.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0064 Error determining client address, offset: <transfer offset>

Source Files Generating Error Message: various

Problem Description: The Mover could not determine the client address for the next part of a transfer.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0065 Error sending data to client, offset: <transfer offset>

Source Files Generating Error Message: mvr_read.c

Problem Description: An error was encountered while trying to send data to the client.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0066 Error receiving data from client, offset: <transfer offset>

Source Files Generating Error Message: mvr_write.c

Problem Description: An error was encountered while trying to receive data from the client.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0068 Unexpected i/o length for device <device ID>: got <returned length>, expected <expected length>

Source Files Generating Error Message: various

Problem Description: The amount of data transferred to or from a device did not match the expected amount.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device / medium, verify that the target position is a valid data position.

MOVR0069 Block size specified, <specified block size>, does not match current section, <section block size>

Source Files Generating Error Message: mvr_device.c

Problem Description: A write request specified a block size that did not match the block size of the current section.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0070 Begin section failed

Source Files Generating Error Message: mvr_asyncio.c

Problem Description: An error was encountered while trying to initialize a tape section.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0071 End section failed

Source Files Generating Error Message: mvr_asyncio.c, mvr_tape.c

Problem Description: An error was encountered while trying to end a tape section.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0072 hpss_EnterConnection() failed

Source Files Generating Error Message: mvr_dceif.c

Problem Description: The connection over which a request was received by the Mover DCE interface is not valid.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine source of the request, and cause of invalid request connection context.

MOVR0073 GetTransferDescriptor() failed

Source Files Generating Error Message: various

Problem Description: The Mover could not get a handle to use to transfer data to or from a client.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0074 mover_socket_send_buffer() failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An error was encountered while attempting to send data to a client using PDATA over TCP/IP.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends of the transfer to determine the cause of the failure.

MOVR0075 mover_socket_get_buffer() failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An error was encountered while attempting to receive data from a client using PDATA over TCP/IP.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends of the transfer to determine the cause of the failure.

MOVR0076 OpenClientConnection() failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: The Mover could not open a data connection to a client.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0077 SocketOpenConnection() failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: The Mover could not create a TCP/IP connection to a client.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends of the transfer to determine the cause of the failure.

MOVR0078 BlockSignal() failed

Source Files Generating Error Message: various

Problem Description: An attempt to block delivery of a signal failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0079 UnBlockSignal() failed

Source Files Generating Error Message: various

Problem Description: An attempt to enable the delivery of a signal failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0080 Null ReqSpecInfo pointer in IOD

Source Files Generating Error Message: various

Problem Description: A request was received for which request specified information was required, but the request specific information pointer in the IOD was NULL.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0081 Invalid request specific info type: <specified type>

Source Files Generating Error Message: mvr_devattr.c

Problem Description: The request specific information type specified in an IOD does not match that required for the requested operation.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0082 Tape readlabel failed for device <device ID>

Source Files Generating Error Message: mvr_devattr.c

Problem Description: The Mover could not read the media volume label.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0083 Invalid section number: <specified section>

Source Files Generating Error Message: mvr_device.c, mvr_tape.c

Problem Description: A request specified a position that included an invalid section number.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0084 Invalid blocksize: <specified block size>

Source Files Generating Error Message: mvr_tape.c

Problem Description: A request specified an invalid media block size.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0085 could not build vol1 label for device <device ID>

Source Files Generating Error Message: mvr_tape.c

Problem Description: The Mover could not build a VOL1 volume label.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0086 could not build hdr1 for device <device ID>

Source Files Generating Error Message: mvr_tape.c

Problem Description: The Mover could not build a HDR1 section header.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0087 could not build hdr2 for device <device ID>

Source Files Generating Error Message: mvr_tape.c

Problem Description: The Mover could not build a HDR2 section header.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0088 Tape label initialization failed for device <device ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: The Mover could not write the volume label to a tape.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0089 AsyncRead() failed for device <device ID>

Source Files Generating Error Message: various

Problem Description: An attempt to initiate an asynchronous read operation failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0090 AsyncWrite() failed for device <device ID>

Source Files Generating Error Message: various

Problem Description: An attempt to initiate an asynchronous write operation failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0091 ssm_ServerNotify() failed

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to send notification of server object attribute changes failed.

System Action: The Mover determines whether a new binding handle is required for further communication with the Storage System Manager.

Administrator Action: Determine if the Storage System Manager is running. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0092 ssm_MoverNotify() failed

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to send notification of Mover object attribute changes failed.

System Action: The Mover determines whether a new binding handle is required for further communication with the Storage System Manager.

Administrator Action: Determine if the Storage System Manager is running. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0093 ssm_DeviceNotify() failed

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to send notification of device object attribute changes failed.

System Action: The Mover determines whether a new binding handle is required for further communication with the Storage System Manager.

Administrator Action: Determine if the Storage System Manager is running. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0094 SendNotifyRequest() failed

Source Files Generating Error Message: various

Problem Description: The Mover could not forward a notification request to the Mover SSM notification thread.

System Action: The notification request is dropped.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0095 Hit end of stripe list too soon, length was <specified length>, found <list length>

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: An IOD contained a stripe list that was shorter that the specified list length.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0096 Volume ID mismatch: dev = <volume ID on media>, request = <specified volume ID>

Source Files Generating Error Message: various

Problem Description: A request specified a volume identifier that did not match the currently mounted medium.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0097 Bad blocks per file: dev <device ID>, vol <volume ID>, offs <section offset>, bpf = <blocks per file>

Source Files Generating Error Message: mvr_device.c

Problem Description: A request specified a number of blocks between tapemarks that would cause the section to be ended before the current tape position.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0098 Open of SFS file (sfs_Open) failed: <filename>

Source Files Generating Error Message: various

P roblem Description: An attempt to open the specified SFS configuration file failed.

System Action: The current request is aborted and an error indication is returned to the client. If this-error is encountered during Mover initialization processing, the Mover terminates execution.

Administrator Action: Determine if SFS is running. If so, determine if the Mover's configuration metadata contains correct metadata file names.

MOVR0099 Close of SFS file (sfs_Close) failed: <filename>

Source Files Generating Error Message: various

Problem Description: An attempt to close the specified SFS file failed.

System Action: None.

Adinistrator Action: Determine if SFS is running. If so, internal mover error - report to HPSS support.

MOVR0100 mm_ReadServerConfig() failed

Source Files Generating Error Message: mvr_dcemain.c, mvr_initdev.c

Problem Description: An attempt to read a generic server configuration entry failed.

System Action: The Mover terminates execution.

Administrator Action: Determine if SFS is running. If so, determine if the Mover's configuration metadata contains correct metadata file names and correct Mover identifiers.

MOVR0101 mm_ReadMVR() failed

Source Files Generating Error Message: mvr_initdev.c

Problem Description: An attempt to read a Mover's specific configuration entry failed.

System Action: The Mover terminates execution.

Administrator Action: Determine if SFS is running. If so, determine if the Mover's configuration metadata contains correct metadata file names and correct Mover identifiers.

MOVR0102 mm_ReadAllMVRDevices() failed

Source Files Generating Error Message: mvr_initdev.c

Problem Description: An attempt to read device configuration entries failed.

System Action: The Mover terminates execution.

Administrator Action: Determine if SFS is running. If so, determine if the Mover's configuration metadata contains correct metadata file names and correct Mover identifiers.

MOVR0103 Source/sink list longer than list length

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: An IOD contained a source/sink descriptor list that was longer than the specified list length.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0104 Stripe address list longer than list length

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: An IOD contained a stripe address list that was longer than the specified list length.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0105 Could not register DCE interface

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: The Mover could not register its DCE interfaces.

System Action: The Mover terminates execution.

Administrator Action: Verify that the DCE servers, CDS specifically, are running, that the CDS contains the necessary directories and the Mover's configuration information contains the correct server name.

MOVR0106 Could not unregister DCE interface

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: The Mover could not unregister its DCE interfaces.

System Action: None.

Administrator Action: Verify that the DCE servers, CDS specifically, are running.

MOVR0107 Could not read mover configuration

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: The Mover could not read the necessary configuration information.

System Action: The Mover terminates execution.

Administrator Action: Determine if SFS is running. If so, determine if the Mover's configuration metadata contains correct metadata file names and correct Mover identifiers.

MOVR0108 Could not initialize mover state

Source Files Generating Error Message: mvr_parent.c

Problem Description: The Mover could not initialize the shared memory and semaphores required for inter-process communication.

System Action: The Mover terminates execution.

Administrator Action: Determine if error was caused by system resource exhaustion (shared memory, semaphores). If not, internal mover error - report to HPSS support.

MOVR0109 Could not initialize device descriptors

Source Files Generating Error Message: mvr_dceif.c, mvr_dcemain.c

Problem Description: The Mover could not initialize the device table.

System Action: The Mover terminates execution.

Administrator Action: Determine if SFS is running. If so, determine if the Mover's configuration metadata contains correct metadata file names and correct Mover identifiers.

MOVR0110 Mover listen process exited, status <exit status>

Source Files Generating Error Message: mvr_parent.c

Problem Description: The Mover TCP/IP listen process terminated unexpectedly.

System Action: The Mover terminates execution.

Administrator Action: Determine if cause of process termination contained in preceding log messages. If not, internal mover error - report to HPSS support.

MOVR0111 Write attempted on non-block boundary, sec <section>, off <section offset>

Source Files Generating Error Message: mvr_device.c

Problem Description: A write request specified that a non-block aligned starting position.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0112 IgnoreSignal() failed

Source Files Generating Error Message: mvr_lstntsk.c, mvr_parent.c

Problem Description: An attempt to ignore a signal failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0113 Device <device ID> not ready, metadata flags = <metadata device flags>

Source Files Generating Error Message: mvr_disk.c, mvr_tape.c

Problem Description: A request was received for a device that is currently configured as not ready for I/O.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if device configuration metadata is correct. If so, determine the source of the request, and the cause of the invalid request.

MOVR0114 Device <device ID> not readable, metadata flags = <metadata device flags>

Source Files Generating Error Message: various

Problem Description: A read request was received for a device that is configured as not ready for read requests.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if device configuration metadata is correct. If so, determine the source of the request, and the cause of the invalid request.

MOVR0115 Device <device ID> not writeable, metadata flags = <metadata device flags>

Source Files Generating Error Message: various

Problem Description: A write request was received for a device that is configured as not ready for write requests.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if device configuration metadata is correct. If so, determine the source of the request, and the cause of the invalid request.

MOVR0117 Device <device ID> not opened for reading

Source Files Generating Error Message: mvr_disk.c, mvr_tape.c

Problem Description: A read request was received for a device that was not opened for reading.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0118 Attempt to write to protected media, dev <device ID>, vol <volume ID>

Source Files Generating Error Message: mvr_disk.c, mvr_tape.c

Problem Description: A write request was received for a tape volume that is write protected.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request. Determine if the the volume was write protected in error.

MOVR0119 SocketCloseConnection() failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to close a TCP/IP connection failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0120 ClientCloseConnection() failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to close a client connection failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0121 Client midblock tape position, operation not permitted on vol <volume ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: A request was received for a device that is currently not (logically) positioned on a block boundary.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0122 Could not gain control of device <device ID>

Source Files Generating Error Message: various

Problem Description: The Mover could not get control of a device.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0123 Child process exited with non-zero status code

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: A Mover request handling process terminated with a non-zero exit status.

System Action: None.

Administrator Action: Determine if cause of process termination contained in preceding log messages. If not, internal mover error - report to HPSS support.

MOVR0124 Could not initialize connection processing

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to initialize the HPSS connection handling interface failed.

System Action: The Mover terminates execution.

Administrator Action: Verify that the DCE servers, CDS specifically, are running, that the CDS contains the necessary directories and the Mover's configuration information contains the correct server name.

MOVR0125 Too many devices configured for mover

Source Files Generating Error Message: mvr_dceif.c, mvr_initdev.c

Problem Description: The device configuration contains more devices for the Mover than can be handle by the Mover's device table.

System Action: The device is not added to the Mover's device table.

Administrator Action: Verify the device configuration metadata is correct.

MOVR0126 hpss_PreRegisterService() failed

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to perform the initial registration of the Mover DCE interfaces failed.

System Action: The Mover terminates execution.

Administrator Action: Verify that the DCE servers, CDS specifically, are running, that the CDS contains the necessary directories and the Mover's configuration information contains the correct server name.

MOVR0127 hsec_Init() failed

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to initialize the HPSS security service failed.

System Action: The Mover terminates execution.

Administrator Action: Verify that the DCE servers, security servers specifically, are running and that the Mover's configuration metadata is correct.

MOVR0128 hsec_InitAuthzVector() failed

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to initialize the Mover authorized caller vector failed.

System Action: The Mover terminates execution.

Administrator Action: Verify that the DCE servers, security servers specifically, are running and that the Mover's configuration metadata is correct.

MOVR0130 hsec_CallerAuthorized() failed

Source Files Generating Error Message: mvr_dceif.c

Problem Description: An attempt to determine if a client is authorized to perform an operation failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Verify that the DCE servers, security servers specifically, are running and that the Mover's configuration metadata is correct.

MOVR0131 Caller not authorized

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A client requested an operation that it does not have authorization to perform.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0132 hsec_Audit() failed

Source Files Generating Error Message: mvr_dceif.c

Problem Description: An attempt to write a security audit record failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0133 hpss_InitRPCMasterHandle() failed

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to initialize an HPSS RPC handle failed.

System Action: The Mover terminates execution.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0134 hpss_FreeRPCHandle() failed

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to free an HPSS RPC handle failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0135 Invalid hostname: <specified host name>

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: The Mover could not determine the IP address for the hostname specified in the Mover's configuration metadata.

System Action: The Mover terminates execution.

Administrator Action: Verify that the Mover's configuration metadata is correct.

MOVR0136 Change on unsettable mover attr, SelectionFlags = <specified selection flags>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A request attempted to change an unsettable Mover object attributes.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0137 Change on unsettable server attr, SelectionFlags = <specified selection flags>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A request attempted to change an unsettable server object attributes.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0138 Invalid mover attribute value: attr <attribute ID>, value <specified value>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A requested specified an invalid Mover object attribute.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0139 Invalid server attribute value: attr <attributes ID>, value <specified value>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A requested specified an invalid server object attribute.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0140 dst_getlabel failed on dev <device ID>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to query to label of an Ampex DD-2 tape failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0141 Shared memory initialization completion failed

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: The Mover could not complete the initialization of the shared memory used to hold Mover state.

System Action: None.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0142 Query 3490 absolute pos failed on dev <device ID>, vol <volume ID>, sec <section> off <section offset>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to query the current absolute position of a 3490/3590 tape failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0143 Set 3490 absolute pos failed on dev <device ID>, vol <volume ID>, sec <section> off <section offset>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to set the current absolute position of a 3490/3590 tape failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0144 3490 sync failed on dev <device ID>, vol <volume ID>, sec <section> off <section offset>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to flush written data to a 3490/3590 tape failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium (this error may be generated at end-of-media).

MOVR0145 3490 display message failed on dev <device ID>

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to send a message to the display area of a 3490/3590 tape drive failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0148 Tape flush failed for device <device ID>, volume <volume ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to flush previously written data to a tape failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0149 Tape display failed for device <device ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to display a message on a tape drive failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0150 Open of PIOFS file failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to open a PIOFS failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0151 Close of PIOFS file failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to close a PIOFS failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0152 Read from PIOFS file failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to read from a PIOFS file failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0153 Write to PIOFS file failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to write to a PIOFS file failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0154 Lseek in PIOFS file failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to change the current position in a PIOFS file failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0155 Mover DCE process exited, status <exit status>

Source Files Generating Error Message: mvr_parent.c
Problem Description: The Mover DCE process terminated unexpectedly.
System Action: The Mover terminates execution.
Administrator Action: Determine if cause of process termination contained in preceding log messages. If not, internal mover error - report to HPSS support.

MOVR0156 Initialization of signal set (sigemptyset) failed

Source Files Generating Error Message: various
Problem Description: An attempt to clear a signet set failed.
System Action: None.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0157 Addition to signal set (sigaddset) failed

Source Files Generating Error Message: various
Problem Description: An attempt to add a signal to a signal set failed.
System Action: None.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0158 Setting of signal mask (sigprocmask) failed

Source Files Generating Error Message: various
Problem Description: An attempt to set a signal mask failed.
System Action: None.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0159 Suspension of process until signal (sigsuspend) failed

Source Files Generating Error Message: mvr_asyncio.c
Problem Description: An attempt to suspend a Mover process pending completion of a signal failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0160 Setting of signal action (sigaction) failed

Source Files Generating Error Message: various
Problem Description: An attempt to set the disposition of a signal failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0161 Aysnc I/O cancel (aio_cancel) failed

Source Files Generating Error Message: mvr_asyncio.c
Problem Description: An attempt to cancel an outstanding asynchronous I/O operation failed.
System Action: None.
Administrator Action: Determine if the request had completed by the time of the request to cancel the asynchronous I/O.

MOVR0162 Memory allocation (malloc) failed

Source Files Generating Error Message: various

Problem Description: An attempt to allocate memory failed.

System Action: The current request is aborted and an error indication is returned to the client, or the Mover terminates execution.

Administrator Action: Determine if error was caused by system resource exhaustion (memory). If not, internal mover error - report to HPSS support.

MOVR0163 Socket creation (socket) failed

Source Files Generating Error Message: various

Problem Description: An attempt to create a socket failed.

System Action: The current request is aborted and an error indication is returned to the client, or the Mover terminates execution.

Administrator Action: Determine if error was caused by system resource exhaustion (sockets, file descriptors). If not, internal mover error - report to HPSS support.

MOVR0164 Connection establishment (connect) failed

Source Files Generating Error Message: various

Problem Description: An attempt to establish a TCP/IP connection failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0165 Setting of socket option (setsockopt) failed

Source Files Generating Error Message: mvr_misc.c

Problem Description: An attempt to set socket option failed.

System Action: The current request is aborted and an error indication is returned to the client, or the Mover terminates execution.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0166 Close of socket (close) failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to close a socket failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0167 Open of IPI-3 slave (ipi3_slave_open) failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to open an IPI-3 slave device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Verify that the IPI-3 slave device configuration is correct and that the user ID under which the Mover is running has read and write permission for the configured IPI-3 slave device.

MOVR0168 Close of IPI-3 slave (ipi3_slave_close) failed

Source Files Generating Error Message: mvr_clientif.c
Problem Description: An attempt to close an IPI-3 slave device failed.
System Action: None.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0169 Retrieval of current time (gettimeofday) failed

Source Files Generating Error Message: mvr_dceif.c, mvr_lstntsk.c
Problem Description: An attempt to query the current time failed.
System Action: None. Statistic may not be maintained for the Mover timestamps.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0170 Read from socket (read) failed

Source Files Generating Error Message: mvr_dcemain.c, mvr_lstntsk.c
Problem Description: An attempt to read from a socket failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0171 Write to socket (write) failed

Source Files Generating Error Message: mvr_dceif.c, mvr_misc.c
Problem Description: An attempt to writ to a socket failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0172 Wait on available socket (select) failed

Source Files Generating Error Message: various
Problem Description: An attempt to select on a socket failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0173 Connection accept (accept) failed

Source Files Generating Error Message: various
Problem Description: An attempt to accept a connection on a socket failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0174 Socket listen (listen) failed

Source Files Generating Error Message: various

Problem Description: An attempt to listen for connections on a socket failed.

System Action: The current request is aborted and an error indication is returned to the client, or the Mover terminates execution.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0175 Bind (bind) on unix domain socket <socket name> failed

Source Files Generating Error Message: mvr_dcemain.c, mvr_lstntsk.c

Problem Description: An attempt to bind to a unix domain socket name failed.

System Action: The Mover terminates execution.

Administrator Action: Internal mover error. Report to HPSS support. If the Mover had previously been run under another user ID and not gracefully shutdown, the unix domain socket names in may need to be removed by a user with appropriate privilege.

MOVR0176 Attachment of shared memory (shmat) failed

Source Files Generating Error Message: various

Problem Description: An attempt to attach to a shared memory segment failed.

System Action: The current request is aborted and an error indication is returned to the client, or the Mover terminates execution.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0177 Release of shared memory (shmdt) failed

Source Files Generating Error Message: various

Problem Description: An attempt to detach from a shared memory segment failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0178 Shared memory control operation (shmctl) failed

Source Files Generating Error Message: various

Problem Description: An attempt to perform a shared memory control operation failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0179 Shared memory allocation (shmget) failed

Source Files Generating Error Message: various

Problem Description: An attempt to allocate a shared memory segment failed.

System Action: The current request is aborted and an error indication is returned to the client, or the Mover terminates execution.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0180 Semaphore control operation (semctl) failed

Source Files Generating Error Message: various
Problem Description: An attempt to perform a semaphore control operation failed.
System Action: None.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0181 Semaphore operation (semop) failed

Source Files Generating Error Message: mvr_sem.c
Problem Description: An attempt to perform a system semaphore operation failed.
System Action: The Mover terminates execution.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0182 Semaphore allocation (semget) failed

Source Files Generating Error Message: mvr_sem.c
Problem Description: An attempt to allocate a system semaphore failed.
System Action: The Mover terminates execution.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0183 RPC listen (trdce_serverlisten) failed

Source Files Generating Error Message: mvr_dcemain.c
Problem Description: An attempt to listen for RPC requests failed.
System Action: The Mover terminates execution.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0184 Thread creation (pthread_create) failed

Source Files Generating Error Message: mvr_dcemain.c
Problem Description: An attempt to create a thread failed.
System Action: The Mover terminates execution.
Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space). If not, internal mover error - report to HPSS support.

MOVR0185 Mutex initialization (pthread_mutex_init) failed

Source Files Generating Error Message: mvr_dcemain.c
Problem Description: An attempt to create a mutex failed.
System Action: The Mover terminates execution.
Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space). If not, internal mover error - report to HPSS support.

MOVR0186 Mutex lock operation (pthread_mutex_lock) failed

Source Files Generating Error Message: mvr_dcemain.c
Problem Description: An attempt to lock a mutex failed.
System Action: The Mover terminates execution.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0187 Mutex unlock operation (pthread_mutex_unlock) failed

Source Files Generating Error Message: mvr_dcemain.c
Problem Description: An attempt to unlock a mutex failed.
System Action: The Mover terminates execution.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0188 Condition variable initialization (pthread_cond_init) failed

Source Files Generating Error Message: mvr_dcemain.c
Problem Description: An attempt to create a condition variable failed.
System Action: The Mover terminates execution.
Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space). If not, internal mover error - report to HPSS support.

MOVR0189 Wait on condition variable (pthread_cond_wait) failed

Source Files Generating Error Message: mvr_dcemain.c
Problem Description: An attempt to wait on a condition variable failed.
System Action: The Mover terminates execution.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0190 Signal of condition variable (pthread_cond_signal) failed

Source Files Generating Error Message: mvr_dcemain.c
Problem Description: An attempt to signal a thread waiting on a condition variable failed.
System Action: The Mover terminates execution.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0191 Wait on signal (sigwait) failed

Source Files Generating Error Message: mvr_dcemain.c
Problem Description: An attempt to wait for the delivery of a signal failed.
System Action: None.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0192 Process creation (fork) failed

Source Files Generating Error Message: mvr_lstntsk.c, mvr_parent.c
Problem Description: An attempt to create a process failed.
System Action: The Mover closes the TCP/IP connection or the Mover terminates execution.
Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space, processes). If not, internal mover error - report to HPSS support.

MOVR0193 Program execution (exec) failed

Source Files Generating Error Message: mvr_parent.c

Problem Description: An attempt to execute a new program failed.

System Action: None.

Administrator Action: Verify that the Mover executables are present and that the Mover configuration metadata is correct.

MOVR0194 Signal send operation (kill) failed

Source Files Generating Error Message: mvr_parent.c

Problem Description: An attempt to send a signal failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0195 Cleanup of child process (wait) failed

Source Files Generating Error Message: mvr_parent.c

Problem Description: An attempt to cleanup after a terminated child process failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0196 Setting of process group ID (setpgid) failed

Source Files Generating Error Message: mvr_parent.c

Problem Description: An attempt to set the process group ID failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0197 Retrieval of local time (localtime) failed

Source Files Generating Error Message: mvr_tape.c

Problem Description: An attempt to query the current time failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0198 Media block size (<media block size>) > mover buffer size (<mover buffer size>)

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: The media block size for the specified device is greater than the configured Mover buffer size.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Verify that the Mover's configuration metadata is correct. Determine the source of the request, and the cause of the invalid request.

MOVR0199 Could not initialize passive side of mover

Source Files Generating Error Message: mvr_read.c, mvr_write.c
Problem Description: The Mover could not perform initialize required for passive side processing.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0200 Mover passive wait failed, offset = <transfer offset>

Source Files Generating Error Message: mvr_read.c, mvr_write.c
Problem Description: An attempt to wait for an active side request failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine whether the transfer was aborted.

MOVR0201 Could not send passive reply, offset = <transfer offset>

Source Files Generating Error Message: mvr_read.c, mvr_write.c
Problem Description: An attempt to send a passive side reply failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine whether the transfer was aborted.

MOVR0202 Could not send passive completion

Source Files Generating Error Message: mvr_read.c, mvr_write.c
Problem Description: An attempt to send a passive side completion message failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine whether the transfer was aborted.

MOVR0203 Could not complete active handshake, offset = <transfer offset>

Source Files Generating Error Message: mvr_read.c, mvr_write.c
Problem Description: An attempt to perform an active side handshake failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine whether the transfer was aborted.

MOVR0204 Could not send active completion

Source Files Generating Error Message: mvr_read.c, mvr_write.c
Problem Description: An attempt to send an active side completion message failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine whether the transfer was aborted.

MOVR0205 Open failed for device <device ID>

Source Files Generating Error Message: mvr_read.c, mvr_write.c
Problem Description: An attempt to open a device special file failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0206 Read failed for device <device ID>, volume <volume ID>

Source Files Generating Error Message: mvr_read.c

Problem Description: An attempt to initiate a read from a device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0207 Write failed for device <device ID>, volume <volume ID>

Source Files Generating Error Message: mvr_device.c, mvr_write.c

Problem Description: An attempt to initiate a write to a device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0208 Error waiting on device I/O

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: An error was encountered while performing device I/O.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0210 Position failed for device <device ID>, volume <volume ID>

Source Files Generating Error Message: various

Problem Description: An attempt to change the media position failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0211 Could not determine transfer info, offset = <transfer offset>

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: An attempt to calculate the control information for the next part of a transfer failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0212 Could not determine transfer type, offset = <transfer offset>

Source Files Generating Error Message: various

Problem Description: An attempt to determine the transfer mechanism to be used for the next part of a transfer failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0213 Could not setup initiator listen, offset = <transfer offset>

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: An attempt to establish a listen port failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if error was caused by system resource exhaustion (memory, sockets, file descriptors). If not, internal mover error - report to HPSS support.

MOVR0214 Initiator send failed, offset = <transfer offset>

Source Files Generating Error Message: mvr_read.c

Problem Description: An attempt to perform an initiator send to a client failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0215 Initiator receive failed, offset = <transfer offset>

Source Files Generating Error Message: mvr_write.c

Problem Description: An attempt to perform an initiator receive from a client failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0216 Disk open failed for device <device ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to open a disk device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Verify that the device name specified in the device configuration metadata is correct, and the Mover user ID under which the Mover is running has read and write access.

MOVR0217 Disk close failed for device <device ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to close a disk device failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0218 Disk read failed for device <device ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to initiate a read from a disk device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0219 Disk write failed for device <device ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to initiate a write to a disk device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0220 Disk readlabel failed for device <device ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to read the volume label from a disk device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0221 Disk label initialization failed for device <device ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to write the volume label to a disk device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0222 Disk synchronous read failed for device <device ID>

Source Files Generating Error Message: mvr_device.c, mvr_disk.c

Problem Description: An attempt to perform a synchronous read from a disk failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium, verify that the request was for a valid data position.

MOVR0224 Disk clear failed for device <device ID>

Source Files Generating Error Message: mvr_device.c

Problem Description: An attempt to clear part of a disk device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium, verify that the request was for a valid data position.

MOVR0225 Address out of range, dev = <device ID>, offs = <specified offset>, length = <specified length>

Source Files Generating Error Message: mvr_device.c

Problem Description: A request specified a starting address and length that are out of range for the specified device.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0226 Error waiting for asynchronous I/O to complete

Source Files Generating Error Message: mvr_device.c, mvr_disk.c

Problem Description: An error was encountered performing disk I/O.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0227 Error waiting for IPI-3 I/O to complete

Source Files Generating Error Message: mvr_device.c, mvr_disk.c

Problem Description: An error was encountered during a third-party disk read or write operation.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0228 No common data transport types

Source Files Generating Error Message: mvr_device.c

Problem Description: A request contained no data transport options that the Mover supports.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0229 Close failed for device <device ID>

Source Files Generating Error Message: mvr_device.c, mvr_devspec.c

Problem Description: An attempt to close a device failed.

System Action: None.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0230 Read label failed for device <device ID>

Source Files Generating Error Message: mvr_devspec.c

Problem Description: An attempt to read a media volume label failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0231 Volume label initialization failed for device <device ID>

Source Files Generating Error Message: mvr_devspec.c

Problem Description: An attempt to write a media volume label failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0232 Display failed for device <device ID>

Source Files Generating Error Message: mvr_devspec.c

Problem Description: An attempt to display a message on a device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0233 Flush failed for device <device ID>

Source Files Generating Error Message: mvr_devspec.c, mvr_write.c

Problem Description: An attempt to flush previously written data to the medium failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0234 Write tapemark failed for device <device ID>

Source Files Generating Error Message: mvr_devspec.c

Problem Description: An attempt to write a tape mark failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0235 Release failed for device <device ID>

Source Files Generating Error Message: various

Problem Description: An attempt to free a device failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0236 IPI-3 initialization failed

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: An attempt to perform IPI-3 initialization failed.

System Action: None, however subsequent IPI-3 operations will likely fail.

Administrator Action: Verify that the IPI-3 client configuration is correct, and the user ID under which the Mover is running has read and write permission on the IPI-3 master device.

MOVR0237 IPI-3 read failed for device <device ID>

Source Files Generating Error Message: mvr_disk.c

Problem Description: An attempt to initiate a read from an IPI-3 device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0238 IPI-3 third party read failed for device <device ID>

Source Files Generating Error Message: mvr_disk.c

Problem Description: An attempt to initiate a third-party read from a device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0239 IPI-3 write failed for device <device ID>

Source Files Generating Error Message: mvr_disk.c

Problem Description: An attempt to initiate a write to an IPI-3 device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0240 IPI-3 third party read failed for device <device ID>

Source Files Generating Error Message: mvr_disk.c

Problem Description: An attempt to initiate a third-party write to a device failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0241 Could not open IPI-3 partition <device ID>

Source Files Generating Error Message: mvr_disk.c

Problem Description: An attempt to open a partition on an IPI-3 disk failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Verify that the IPI-3 device and partition configuration information is correct.

MOVR0242 Error closing IPI-3 partition <device ID>

Source Files Generating Error Message: mvr_disk.c

Problem Description: An attempt to close a partition on an IPI-3 disk failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0243 Invalid disk label parameters: block size <block size>, block <number of blocks>, start <starting block>

Source Files Generating Error Message: mvr_disk.c

Problem Description: A request to write a disk media label contained invalid parameters.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Verify that the device configuration metadata is correct.

MOVR0244 Non-ANSI labelled tape on device <device ID>

Source Files Generating Error Message: mvr_disk.c

Problem Description: The current medium contains a non-ANSI volume label.

System Action: Indication of the existence of the non-ANSI label is returned to the client.

Administrator Action: None.

MOVR0245 Foreign label tape on device <device ID>

Source Files Generating Error Message: mvr_disk.c

Problem Description: The current medium contains an ANSI volume label that was not written by HPSS.

System Action: Indication of the existence of the foreign label is returned to the client.

Administrator Action: None.

MOVR0246 Close of device <device ID> failed

Source Files Generating Error Message: mvr_disk.c

Problem Description: An attempt to close a device failed.

System Action: None.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0247 Block size mismatch on device <device ID>: metadata <metadata block size>, label <label block size>

Source Files Generating Error Message: mvr_disk.c

Problem Description: The block size specified in device metadata does not match the block size contained in the media label (disk only).

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Verify that the device configuration metadata is correct.

MOVR0248 Start block mismatch on device <device ID>: metadata <metadata block>, label <label block>

Source Files Generating Error Message: mvr_disk.c

Problem Description: The disk media label specifies a non-zero starting block number.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Verify that the device configuration metadata is correct.

MOVR0249 Block count mismatch on device <device ID>: metadata <block count>, label <block count>

Source Files Generating Error Message: mvr_disk.c

Problem Description: The block count specified in device metadata does not match the block count contained in the media label (disk only).

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Verify that the device configuration metadata is correct.

MOVR0250 Error building volume label for device <device ID>

Source Files Generating Error Message: mvr_disk.c
Problem Description: An attempt to build a media volume label for a disk failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0251 Could not obtain an IPI-3 transfer descriptor

Source Files Generating Error Message: mvr_clientif.c, mvr_ipi3.c
Problem Description: An attempt to obtain a handle for an IPI-3 transfer failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0252 Error initiating IPI-3 data read

Source Files Generating Error Message: mvr_clientif.c, mvr_ipi3.c
Problem Description: An attempt to receive data via IPI-3 failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0253 Error initiating IPI-3 data write

Source Files Generating Error Message: mvr_clientif.c, mvr_ipi3.c
Problem Description: An attempt to send data via IPI-3 failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0254 Error initiating IPI-3 read for device <device ID>, start <starting block>, count <number of blocks>

Source Files Generating Error Message: mvr_ipi3.c
Problem Description: An attempt to initiate a read from an IPI-3 device failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0255 Error initiating IPI-3 write for device <device ID>, start <starting block>, count <number of blocks>

Source Files Generating Error Message: mvr_ipi3.c
Problem Description: An attempt to initiate a write to an IPI-3 device failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Internal mover error. Report to HPSS support.

MOVR0256 Error canceling IPI-3 I/O for device <device ID>

Source Files Generating Error Message: mvr_ipi3.c

Problem Description: An attempt to cancel an outstanding I/O request on an IPI-3 device failed.

System Action: None.

Administrator Action: None.

MOVR0257 Error waiting for IPI-3 I/O completion for device <device ID>

Source Files Generating Error Message: mvr_ipi3.c

Problem Description: An error was encountered while performing an I/O operation on an IPI-3 device.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0258 IPI-3 reference id mismatch for device <device ID>: expected <expected length>, got <actual length>

Source Files Generating Error Message: mvr_ipi3.c

Problem Description: The IPI-3 reference ID for a completed operation did not match the expected value.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0259 Error performing passive handshake

Source Files Generating Error Message: mvr_prot.c

Problem Description: An attempt to perform a passive side mover protocol handshake failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0260 Invalid mover protocol control address type: <specified type>

Source Files Generating Error Message: mvr_prot.c

Problem Description: An address type was specified that is not supported for mover protocol control communications. The only currently supported address type for mover protocol communications is TCP/IP.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0261 Invalid mover protocol data address type: <specified type>

Source Files Generating Error Message: mvr_prot.c

Problem Description: An address type was specified in a mover protocol message that is not supported. Currently supported address types are TCP/IP, IPI-3 and Shared Memory.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0262 Could not send mover protocol initiator message

Source Files Generating Error Message: mvr_prot.c
Problem Description: An attempt to send a mover protocol initiator message failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine whether the transfer was aborted.

MOVR0263 Could not receive mover protocol initiator message

Source Files Generating Error Message: mvr_prot.c
Problem Description: An attempt to receive a mover protocol initiator message failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine whether the transfer was aborted.

MOVR0264 Could not send mover protocol completion message

Source Files Generating Error Message: mvr_prot.c
Problem Description: An attempt to send a mover protocol completion message failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine whether the transfer was aborted.

MOVR0265 Could not receive mover protocol completion message

Source Files Generating Error Message: mvr_prot.c
Problem Description: An attempt to receive a mover protocol completion message failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine whether the transfer was aborted.

MOVR0266 Could not send mover protocol IP address

Source Files Generating Error Message: mvr_prot.c
Problem Description: An attempt to send a mover protocol TCP/IP address failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine whether the transfer was aborted.

MOVR0267 Could not receive mover protocol IP address

Source Files Generating Error Message: mvr_prot.c
Problem Description: An attempt to receive a mover protocol TCP/IP address failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine whether the transfer was aborted.

MOVR0268 Could not send mover protocol IPI-3 address

Source Files Generating Error Message: mvr_prot.c
Problem Description: An attempt to send a mover protocol IPI-3 address failed.
System Action: The current request is aborted and an error indication is returned to the client.
Administrator Action: Determine whether the transfer was aborted.

MOVR0269 Could not receive mover protocol IPI-3 address

Source Files Generating Error Message: mvr_prot.c

Problem Description: An attempt to send a mover protocol IPI-3 address failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0270 Mover protocol address type mismatch: message <type>, address <type>

Source Files Generating Error Message: mvr_prot.c

Problem Description: The address types specified in a mover protocol initiator message and the following address message do not match.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0271 Attempt to get socket address (getsockname) failed

Source Files Generating Error Message: mvr_misc.c

Problem Description: An attempt to determine the local addressing information for a socket failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0272 Error performing initiator socket send at offset <transfer offset>

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to send data via TCP/IP as the transfer initiator failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0273 Error performing initiator socket receive at offset <transfer offset>

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to receive data via TCP/IP as the transfer initiator failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0274 Error during IPI-3 data transfer

Source Files Generating Error Message: mvr_clientif.c, mvr_ipi3.c

Problem Description: An attempt to send data via IPI-3 failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0275 Error sending socket initiator data at offset <transfer offset>

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to send data via TCP/IP as the transfer initiator failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0276 Error receiving socket initiator data at offset <transfer offset>

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An attempt to send data via TCP/IP as the transfer initiator failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0277 Wait for slave I/O completion failed

Source Files Generating Error Message: mvr_clientif.c

Problem Description: An error was encountered during the slave side transfer of data via IPI-3.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if the client aborted the transfer. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0278 Mover passive data descriptor table full

Source Files Generating Error Message: mvr_clientif.c

Problem Description: The passive side Mover received too many connections from active side Movers.

System Action: The newly opened connection is closed.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0279 Could not set socket options

Source Files Generating Error Message: various

Problem Description: An attempt to set options on a socket failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0280 Could not initialize socket

Source Files Generating Error Message: various

Problem Description: An attempt to create a TCP/IP endpoint failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine underlying cause of the error - a preceding message will describe specific failure.

MOVR0281 Control address not provided with initiator request

Source Files Generating Error Message: mvr_read.c, mvr_prot.c

Problem Description: A passive side Mover requested to be the transfer responder, but did not provide a control address in the IOD.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0282 Passive length <specified length> greater than active <length>

Source Files Generating Error Message: mvr_prot.c

Problem Description: The passive side of transfer responded to the active side initiator messages with a length than that provided by the active side Mover.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0283 Selecting on write descriptor failed

Source Files Generating Error Message: mvr_clientif.c, mvr_prot.c

Problem Description: An attempt to select on a file descriptor for writing failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0284 Selecting on read descriptor failed

Source Files Generating Error Message: mvr_clientif.c, mvr_prot.c

Problem Description: An attempt to select on a file descriptor for reading failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0285 Select on descriptor lists failed

Source Files Generating Error Message: mvr_clientif.c, mvr_prot.c

Problem Description: An attempt to select on a list of file descriptors failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0287 hpss_InitServer failed

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to perform the HPSS common server initialization failed.

System Action: The Mover terminates execution.

Administrator Action: Verify that the Mover's configuration metadata is correct.

MOVR0288 Invalid volume type: <specified type>

Source Files Generating Error Message: various

Problem Description: The volume flags specified in a device address indicate an invalid volume format type. The currently supported types are HPSS and UniTree.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0289 Wrong block on UniTree tape: got <actual block>, expected <expected block>

Source Files Generating Error Message: mvr_asyncio.c

Problem Description: While reading a UniTree formatted tape, the Mover read a block other than the block that was expected.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Perform problem determination on the device/medium.

MOVR0290 Invalid security token received from host <IP address>, port <port number>

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: After a new connection to the Mover was established, an invalid security token was passed from the mover client.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0291 Valid security context from host <IP address>, port <port number>

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: After a new connection to the Mover was established, a valid security token was passed from the mover client.

System Action: None.

Administrator Action: None.

MOVR0292 Invalid device type, device <device ID>

Source Files Generating Error Message: mvr_initdev.c

Problem Description: The Mover detected a device configuration entry that contained an invalid device type.

System Action: None.

Administrator Action: Verify that the device configuration metadata is correct.

MOVR0293 Could not receive mover protocol shared memory address

Source Files Generating Error Message: mvr_prot.c

Problem Description: An attempt to receive a mover protocol shared memory address failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0294 Could not send mover protocol shared memory address

Source Files Generating Error Message: mvr_read.c mvr_write.c

Problem Description: An attempt to send a mover protocol shared memory address failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0295 Could not receive passive completion

Source Files Generating Error Message: mvr_read.c mvr_write.c

Problem Description: An attempt to receive a completion message by a passive side Mover failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0296 Could not receive active completion

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: An attempt to receive a completion message by a active side Mover failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0297 Could not find SSM interface endpoint

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to establish a binding handle to the HPSS Storage System Manager failed.

System Action: None. The Mover will delay for an interval, then retry the attempt to establish a binding handle to the Storage System Manager.

Administrator Action: Determine if the Storage System Manager is running. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0298 Could not open connection to SSM

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to establish a connection with the HPSS Storage System Manager failed.

System Action: None. The Mover will delay for an interval, then retry the attempt to establish a binding handle to the Storage System Manager.

Administrator Action: Determine if the Storage System Manager is running. If not, perform problem determination on both ends to determine the cause of the failure.

MOVR0299 Shared memory request out of bounds

Source Files Generating Error Message: mvr_clientif.c

Problem Description: A request specified using shared memory for the data transfer mechanism and the specified offset and length would be beyond the boundaries of the shared memory segment.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0300 Could not initialize mover security mechanism

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: An attempt to initialize the mover security mechanism failed.

System Action: The Mover terminates execution.

Administrator Action: Internal mover error. Report to HPSS support.

MOVR0301 Invalid device ID: <device ID>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A request to create a device specified the generic mover device identifier (0).

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0302 Invalid device type: <type>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: An attempt to create a device specified and invalid device type.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0303 Invalid device media blocksize: <block size>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: An attempt to create a device specified and invalid device media block size.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0304 Invalid device flags: <flags value>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: An attempt to create a device specified an invalid value for the device specific flags.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0305 Device uuid does not match mover uuid

Source Files Generating Error Message: mvr_dceif.c

Problem Description: An attempt to create a device specified a mover identifier that does not match the identifier of the current Mover.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

MOVR0306 Could not create device metadata

Source Files Generating Error Message: mvr_dceif.c

Problem Description: An attempt to create device configuration metadata failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if SFS is running. If so, internal mover error - report to HPSS support.

MOVR0307 Could not delete device metadata

Source Files Generating Error Message: mvr_dceif.c

Problem Description: An attempt to delete device configuration metadata failed.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine if SFS is running. If so, internal mover error - report to HPSS support.

MOVR0308 Select on socket timed out

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: An attempt to select on a socket did not complete successfully within the specified time out period.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Determine whether the transfer was aborted.

MOVR0309 DD-2 position mismatch, dev <device ID>: expected <partition>:<section>:<offset>, found <partition>:<section>:<offset>

Source Files Generating Error Message: mvr_tape.c

Problem Description: The position returned from a position query request issued after changing the tape position did not match the target position.

System Action: The current positioning information is reset and attempt is made to retry the positioning operation.

Administrator Action: Perform problem determination on the device/medium.

MOVR0310 Absolute position mismatch, dev <device ID>: expected <expected absolute position>, found <reported absolute position>

Source Files Generating Error Message: mvr_tape.c

Problem Description: The reported absolute position after a positioning operation did not match the position specified.

System Action: The Mover will retry the request using relative positioning.

Administrator Action: Perform problem determination on the device/medium.

MOVR0311 Initialization of port range failed

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: The Mover could not initialize the port range values to beused when making TCP/IP connections.

System Action: The Mover will not initialize.

Administrator Action: Correct the port range values in the Mover specific configuration are correct.

MOVR0312 Invalid port range: start <starting port>, end <ending port>

Source Files Generating Error Message: mvr_misc.c

Problem Description: The values specified for the start and end of the port range to be used by the mover when making TCP/IP connections are invalid.

System Action: The Mover will not initialize.

Administrator Action: Correct the port range values in the Mover specific configuration are correct.

MOVR0313 Exhausted local connect port range

Source Files Generating Error Message: mvr_misc.c

Problem Description: The Mover attempted to use the entire configure port rangewhen making a TCP/IP connection, but failed.

System Action: The current request is abort and an error indication is returnedto the client.

Administrator Action: Perform problem determination on the TCP/IP resources to determine the cause of the error.

MOVR0314 Mover buffer overrun: offset <buffer offset>, length <transfer length>, size <buffer size>

Source Files Genertating Error Message: mvr_read.c, mvr_write.c

Problem Description: The Mover detected an internal bookkeeping error, that would have caused a non-deterministic transfer error.

System Action: The current request is aborted and an error indication is returned to the client.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0315 Read request failed: <error code>

Source Files Generating Error Message: mvr_read.c

Problem Description: A Mover read request returned with an unsuccessful return code.

System Action: None, request has already completed - this message is generated as a WARNING alarm to allow a visual notification to operators/administrators that a request has failed.

Administrator Action: Determine cause of failure - this message can be triggered by normal user behavior (e.g., interrupting an in progress transfer so that the Mover fails in its attempt to send data to the client) - and take actions appropriate to that cause, if necessary.

MOVR0316 Write request failed: <error code>

Source Files Generating Error Message: mvr_write.c

Problem Description: A Mover write request returned with an unsuccessful return code.

System Action: None, request has already completed - this message is generated as a WARNING alarm to allow a visual notification to operators/administrators that a request has failed.

Administrator Action: Determine cause of failure - this message can be triggered by normal user behavior (e.g., interrupting an in progress transfer so that the Mover fails in its attempt to send receive data from the client) - and take actions appropriate to that cause, if necessary.

MOVR0317 Passive side type mismatch: passive <type>, active <type>

Source Files Generating Error Message: mvr_prot.c

Problem Description: A reply from the passive side of a transfer (either an HPSS client or another Mover) attempt to use a different transfer mechanism than that specified by the active side Mover).

System Action: The current request is aborted and an error indication returned to the client.

Administrator Action: If error was generated during an transfer between HPSS components (i.e., HPSSMover and HPSS Mover or PFTP/NFS clients or when data transfer handled internally to HPSS Client API Library), this is an internal error - contact HPSS support personnel; if this transfer was between an HPSS Mover and user code using the Mover Protocol, no action required due to programming error.

MOVR0318 Device <device ID> start offset <disk offset> not a multiple of block size <disk block size>

Source Files Generating Error Message: mvr_initdev.c

Problem Description: The starting disk offset configured for the specified device is not a multiple of the media block size specified for that same device.

System Action: The Mover generates the alarm message, and aborts its initialization process.

Administrator Action: Correct the device configuration and restart the Mover.

MOVR0319 Modifying device shared use flag not supported

Source Files Generating Error Message: mvr_dceif.c

Problem Description: An attempt was made to changed the SHARED_USE flag of a device, which is not allowed (whether a device allows multiple concurrent Mover tasks to access it can only be set in the device configuration metadata).

System Action: The Mover rejects the request and returns an error indication to the caller.

Administrator Action: To modify the device's SHARED_USE flag, shutdown the Mover controlling the device and the PVL, then update the device configuration to reflect the desired change and restart the servers.

MOVR0320 System configuration request (sysconf) failed

Source Files Generating Error Message: mvr_read.c, mvr_write.c

Problem Description: An attempt to query an operating system parameter failed. In particular, the Mover attempts to query the system's memory page size (to page align its data buffers).

System Action: The Mover rejects the request and returns an error indication to the caller.

Administrator Action: Perform operating system specific problem determination to discover the cause of the failure.

MOVR0321 Send notification to Mover TCP parent process failed

Source Files Generating Error Message: mvr_dceif.c

Problem Description: An attempt to send notification of a managed object change from the Mover DCE process to the Mover TCP Parent process failed.

System Action: The Mover rejects the request and returns an error indication to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0322 TCP Process device get attributes failed, device <device ID>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A request to query device attribute values from the Mover TCP parent process failed.

System Action: The Mover rejects the request and returns an error indication to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0323 TCP Process device set attributes failed, device <device ID>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A request to set device attribute values to the Mover TCP parent process failed.

System Action: The Mover rejects the request and returns an error indication to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0324 TCP Process device create failed, device <device ID>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A request to create a device to the Mover TCP parent process failed.

System Action: The Mover rejects the request and returns an error indication to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0325 TCP Process device delete failed, device <device ID>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A request to delete a device to the Mover TCP parent process failed.

System Action: The Mover rejects the request and returns an error indication to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0326 TCP Process Mover get attributes failed

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A request to query the Mover managed object attribute values from the Mover TCP parent process failed.

System Action: The Mover rejects the request and returns an error indication to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0327 TCP Process Mover set attributes failed

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A request to set the Mover managed object attribute values to the Mover TCP parent process failed.

System Action: The Mover rejects the request and returns an error indication to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0328 TCP Process Server get attributes failed

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A request to query the Server managed object attribute values from the Mover TCP parent process failed.

System Action: The Mover rejects the request and returns an error indication to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0329 TCP Process Server set attributes failed

Source Files Generating Error Message: mvr_dceif.c

Problem Description: A request to set the Server managed object attribute values to the Mover TCP parent process failed.

System Action: The Mover rejects the request and returns an error indication to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0330 Send notification information request failed

Source Files Generating Error Message: mvr_dceif.c, mvr_misc.c

Problem Description: An attempt to send a notification request failed.

System Action: The notification is lost, current request may be rejected (if communication of this notification was required for processing of the request).

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0331 Receive notification information request failed

Source Files Generating Error Message: Various

Problem Description: An attempt to receive a notification request failed.

System Action: The notification is lost, current request may be rejected (if communication of this notification was required for processing of the request).

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0332 String scan (sscanf) failed on string <string value>

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attemptto parse a string (via sscanf()) failed. Currently this indicates that the Mover TCP parent process control address could not be determined by the Mover DCE process.

System Action: The alarm is generated, and the Mover initialization is halted.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0333 Mover client security initialization failed

Source Files Generating Error Message: mvr_dcemain.c, mvr_parent.c

Problem Description: An attempt to intitialize the Mover security service in either the Mover parent process or Mover DCE process failed.

System Action: The alarm is generated, and the Mover initialization is halted.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0334 Mover context establishment failed with host <hostname>

Source Files Generating Error Message: mvr_dcemain.c, mvr_parent.c

Problem Description: An attempt to establish the Mover security context between the Mover parent or Mover DCE process and the Mover TCP parent process failed.

System Action: The alarm is generated, and the Mover initialization is halted.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0335 Attempt to get Mover log policy failed

Source Files Generating Error Message: mvr_dcemain.c, mvr_dceif.c

Problem Description: An attempt to read the Mover's logging policy failed.

System Action: The alarm is generated, and the Mover initialization is halted. If detected during a request to reinitialize the Mover the request is rejected and an error indication returned to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0336 Send log client/policy information failed

Source Files Generating Error Message: mvr_dcemain.c, mvr_dceif.c

Problem Description: An attempt to send the Mover's logging policy to the Mover TCP parent process failed.

System Action: The alarm is generated, and the Mover initialization is halted. If detected during a request to reinitialize the Mover the request is rejected and an error indication returned to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0337 Read all server configuration request failed

Source Files Generating Error Message: mvr_dcemain.c

Problem Description: An attempt to read all HPSS server basic configuration entries failed.

System Action: The alarm is generated, and the Mover initialization is halted. If detected during a request to reinitialize the Mover the request is rejected and an error indication returned to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0338 Could not create listen port

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: An attempt to create a TCP/IP listen port failed.

System Action: The alarm is generated, and the Mover execution is terminated.

Administrator Action: Perform problem determination on the Mover node to determine cause of the failure.

MOVR0339 Could not send data

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: An attempt to send listen port information from the Mover TCP parent process to the Mover parent process failed.

System Action: The alarm is generated, and the Mover execution is terminated.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0340 Could not receive data

Source Files Generating Error Message: mvr_parent.c

Problem Description: An attempt to receive listen port information from the Mover TCP parent process by the Mover parent process failed.

System Action: The alarm is generated, and the Mover execution is terminated.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0341 Invalid object class in notification request: <object class id>

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: An notification information message contained an invalid object class.

System Action: The request is rejected, and an error indication is returned to the caller.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0342 Could not convert <address string> to IP address

Source Files Generating Error Message: mvr_misc.c

Problem Description: The Mover DCE process could not convert the address returned by the Mover TCP parent process to a valid IP address.

System Action: The mover execution is terminated.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0343 Could not send Mover shared memory information

Source Files Generating Error Message: mvr_parent.c

Problem Description: The Mover parent process could not the Mover shared memory image to the Mover TCP parent.

System Action: The mover execution is terminated.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0344 Invalid TCP/IP port <port ID> received from remote Mover process

Source Files Generating Error Message: mvr_parent.c

Problem Description: The Mover parent detected an invalid IP port number returned by the Mover TCP parent.

System Action: The mover execution is terminated.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0345 Receive of log client/policy information failed

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: An attempt to receive the Mover's logging policy information by the Mover TCP parent failed.

System Action: The mover execution is terminated if detected during Mover initialization; if detected during a reinitialization request, the request is rejected.

Administrator Action: Internal Mover error. Report error to HPSS support personnel.

MOVR0346 Could not set blocksize for Ampex drive, blocksize <request block size>

Source Files Generating Error Message: mvr_dstfuncs.c

Problem Description: An attempt to set the blocksize for an Ampex cartridge failed.

System Action: The request is rejected, and an error indication is returned to the caller.

Administrator Action: Verify that the block size specified is valid (if necessary, modify the storage class configuration to alter this value); if the value is valid, perform problem determination on the drive.

MOVR0347 Could not query blocksize for Ampex drive

Source Files Generating Error Message: mvr_dstfuncs.c

Problem Description: An attempt to query the blocksize for an Ampex cartridge failed.

System Action: The request is rejected, and an error indication is returned to the caller.

Administrator Action: Perform problem determination on the drive.

MOVR0348 Could not query position for Ampex drive

Source Files Generating Error Message: mvr_dstfuncs.c

Problem Description: An attempt to query the current position of an Ampex cartridge failed.

System Action: The request is rejected, and an error indication is returned to the caller.

Administrator Action: Perform problem determination on the drive.

MOVR0349 Unexpected Ampex drive query position valid bits: <returned value>

Source Files Generating Error Message: mvr_dstfuncs.c

Problem Description: An attempt to query the current position of an Ampex cartridge returned unexpected information.

System Action: The request is rejected, and an error indication is returned to the caller.

Administrator Action: Perform problem determination on the drive. Report error to HPSS support personnel.

MOVR0350 Could not set position for Ampex drive

Source Files Generating Error Message: mvr_dstfuncs.c

Problem Description: An attempt to set the current position of an Ampex cartridge failed.

System Action: The request is rejected, and an error indication is returned to the caller.

Administrator Action: Perform problem determination on the drive.

MOVR0351 Could not query label for Ampex drive

Source Files Generating Error Message: mvr_dstfuncs.c

Problem Description: An attempt to query the label of an Ampex cartridge failed.

System Action: The request is rejected, and an error indication is returned to the caller.

Administrator Action: Perform problem determination on the drive.

MOVR0352 Unexpect Ampex drive query label valid flag: <returned value>

Source Files Generating Error Message: mvr_dstfuncs.c

Problem Description: An attempt to query the label of an Ampex cartridge returned unexpected information.

System Action: The request is rejected, and an error indication is returned to the caller.

Administrator Action: Perform problem determination on the drive.

MOVR0353 Could not unload cartridge from Ampex drive

Source Files Generating Error Message: mvr_dstfuncs.c

Problem Description: An attempt to unload an Ampex cartridge failed.

System Action: The request is rejected, and an error indication is returned to the caller.

Administrator Action: Perform problem determination on the drive.

MOVR0354 Tape device configured with shared use enabled

Source Files Generating Error Message: mvr_initdev.c

Problem Description: An tape device is configured to allow access by multiple concurrent Mover tasks.

System Action: Mover execution is terminated.

Administrator Action: Reset the SHARED_USE flag on the tape device.

MOVR0355 Could not perform open initialization, dev <device ID> (<device name>)

Source Files Generating Error Message: mvr_tape.c

Problem Description: Device open initialization failed for an Ampex drive.

*System Action:*The request is rejected, and an error indication is returned to the caller .

*Administrator Action:*Perform problem determination on the drive .

MOVR0356 Could not set unbuffered tape marks on Ampex DST drive

Source Files Generating Error Message: mvr_dstfuncs.c

Problem Description: Could not set unbuffered tape mark mode on an Ampex drive.

*System Action:*The request is rejected, and an error indication is returned to the caller .

*Administrator Action:*Perform problem determination on the drive .

MOVR0357 Could not get DST drive status

Source Files Generating Error Message: mvr_dstfuncs.c

Problem Description: Could not query status of an Ampex drive.

*System Action:*The request is rejected, and an error indication is returned to the caller .

*Administrator Action:*Perform problem determination on the drive .

MOVR0358 DST result: valid <valid flags>,class <returned class>,msicode <returned code>,msrcode <returned code>,msrstat <returned status>

Source Files Generating Error Message: mvr_dstfuncs.c

Problem Description: This message (logged at the DEBUG level) contains additional debugging information returned from an Ampex drive. This message will accompany another message that describes the operation and failure code.

*System Action:*The request is rejected, and an error indication is returned to the caller .

*Administrator Action:*Perform problem determination on the drive .

MOVR0359 Could not get data left in DST drive buffer for dev <device ID>, vol <volume ID>

Source Files Generating Error Message: mvr_dstfuncs.c

Problem Description: Could not query the amount of data remaining in the Ampex drive buffer.

*System Action:*The request is rejected, and an error indication is returned to the caller .

*Administrator Action:*Perform problem determination on the drive .

MOVR0360 Could not get state of Ampex DST drive <device ID> (<device Name>)

Source Files Generating Error Message: mvr_tape.c

Problem Description: Could not query the current state of an Ampex drive.

*System Action:*The request is rejected, and an error indication is returned to the caller .

*Administrator Action:*Perform problem determination on the drive .

MOVR0361 Could not initialize asynchronous I/O services

Source Files Generating Error Message: mvr_lstntsk.c

Problem Description: Could not perform asynchronous I/O intiaization processing.

*System Action:*The current Mover task exits, the connection to the caller will be closed.

*Administrator Action:*Perform problem determination on the operating system to determine the cause of not being able to initialize asynchronous I/O.

MOVR0362 Attempt to overwrite disk label detected, dev <device ID>

Source Files Generating Error Message: mvr_asyncio.c, mvr_ipi3.c

Problem Description: The Mover detected an attempt to overwrite the volume label on a disk device during a normal I/O operation.

*System Action:*The request is rejected, and an error indication is returned to the caller.

*Administrator Action:*Internal Mover error. Report error to HPSS support personnel.

MOVR0363 Attempt to write before disk label detected, dev <device ID>

Source Files Generating Error Message: mvr_asyncio.c, mvr_ipi3.c

Problem Description: The Mover detected an attempt to write before the configured starting disk offset the volume label on a disk device during a normal I/O operation.

*System Action:*The request is rejected, and an error indication is returned to the caller.

*Administrator Action:*Internal Mover error. Report error to HPSS support personnel.

MOVR0364 Attempt to read disk label for user I/O detected, dev <device ID>

Source Files Generating Error Message: mvr_asyncio.c, mvr_ipi3.c

Problem Description: The Mover detected an attempt to read.

*System Action:*The request is rejected, and an error indication is returned to the caller.

*Administrator Action:*Internal Mover error. Report error to HPSS support personnel.

MOVR0365 Attempt to read before disk label detected, dev <device ID>

Source Files Generating Error Message: mvr_asyncio.c, mvr_ipi3.c

Problem Description: The Mover detected an attempt to read before the configured starting disk offset.

*System Action:*The request is rejected, and an error indication is returned to the caller.

*Administrator Action:*Internal Mover error. Report error to HPSS support personnel.

MOVR0366 Clock skew too great with Mover host<hostname>

Source Files Generating Error Message: mvr_dcemain.c, mvr_parent.c

Problem Description: The difference between the clocks on the node running the Mover DCE process and the node running the Mover TCP processes is greater than the maximum allowed (currently 5 minutes).

*System Action:*The Mover execution is terminated.

*Administrator Action:*Adjust the clock on one or both nodes so that they are within the allowable variance.

MOVR0367 Encryption key mismatch on Mover host <hostname>

Source Files Generating Error Message: mvr_dcemain.c, mvr_parent.c

Problem Description: The encryption key stored on the node running the Mover TCP processes does not match the encryption key in the Mover's type specific configuration.

*System Action:*The Mover execution is terminated.

*Administrator Action:*Ensure that both encryption key values are the same.

MOVR0368 Zero block size detected in tape positioning request

Source Files Generating Error Message: mvr_tape.c

Problem Description: The Mover detected an attempt to position a tape volume within a tape section that included a zero block size value.

*System Action:*The request is rejected (as the Mover cannot complete a tape block positioning request if it does not know the size of the block), and an error indication is returned to the caller.

*Administrator Action:*Internal HPSS error. Report error to HPSS support personnel.

MOVR0369 Request for locked or disabled device: id <device ID>

Source Files Generating Error Message: mvr_tape.c

Problem Description: The Mover received a request to perform an operation on a device that is either administratively locked or has been operationally disabled (possibly due to I/O errors on the device).

*System Action:*The request is rejected and an error indication is returned to the caller.

*Administrator Action:*Internal HPSS error. Report error to HPSS support personnel.

MOVR1001 Device GetAttributes request for device <device ID>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: The Mover received a request to query the attributes of a device managed object.

System Action: None.

Administrator Action: None.

MOVR1002 Device SetAttributes request for device id <device ID>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: The Mover received a request to alter the attributes of a device managed object.

System Action: None.

Administrator Action: None.

MOVR1003 Server GetAttributes request

Source Files Generating Error Message: mvr_dceif.c

Problem Description: The Mover received a request to query the attributes of the server managed object.

System Action: None.

Administrator Action: None.

MOVR1004 Server SetAttributes request

Source Files Generating Error Message: mvr_dceif.c

Problem Description: The Mover received a request to alter the attributes of the server managed object.

System Action: None.

Administrator Action: None.

MOVR1005 Mover GetAttributes request

Source Files Generating Error Message: mvr_dceif.c

Problem Description: The Mover received a request to query the attributes of the mover managed object.

System Action: None.

Administrator Action: None.

MOVR1006 Mover SetAttributes request

Source Files Generating Error Message: mvr_dceif.c

Problem Description: The Mover received a request to alter the attributes of the mover managed object.

System Action: None.

Administrator Action: None.

MOVR1007 DeviceGetAttr_IOD request for device <device ID>

Source Files Generating Error Message: mvr_devattr.c

Problem Description: The Mover received a IOD request to query the attributes of a device managed object.

System Action: None.

Administrator Action: None.

MOVR1008 DeviceSetAttr_IOD request for device <device ID>

Source Files Generating Error Message: mvr_devattr.c

Problem Description: The Mover received a IOD request to alter the attributes of a device managed object.

System Action: None.

Administrator Action: None.

MOVR1009 DeviceSpec load request for device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover received a request to load a removable media volume for a device.
System Action: None.
Administrator Action: None.

MOVR1010 DeviceSpec unload request for device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover received a request to unload a removable media volume from a device.
System Action: None.
Administrator Action: None.

MOVR1011 DeviceSpec flush request for device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover received a request to flush data previously written to the storage medium.
System Action: None.
Administrator Action: None.

MOVR1012 DeviceSpec write tapemark request for device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover received a request to write a tape mark.
System Action: None.
Administrator Action: None.

MOVR1013 DeviceSpec loaddisplay request for device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover received a request to send a message to a device's display area.
System Action: None.
Administrator Action: None.

MOVR1014 DeviceSpec readlabel request for device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover received a request to read the volume label from a device.
System Action: None.
Administrator Action: None.

MOVR1015 DeviceSpec writelabel request for device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover received a request to write the volume label to a device.
System Action: None.
Administrator Action: None.

MOVR1016 DeviceSpec request, NULL information structure

Source Files Generating Error Message: mvr_devspec.c

Problem Description: The Mover received a device specific request that did not contain any request specific information.

System Action: None.

Administrator Action: None.

MOVR1017 DeviceSpec request, invalid subfunction <device ID>

Source Files Generating Error Message: mvr_devspec.c

Problem Description: The Mover received a device specific request specified and invalid device specific function.

System Action: None.

Administrator Action: None.

MOVR1018 Read request

Source Files Generating Error Message: mvr_read.c

Problem Description: The Mover received a request to read data.

System Action: None.

Administrator Action: None.

MOVR1019 Write request

Source Files Generating Error Message: mvr_write.c

Problem Description: The Mover received a request to write data.

System Action: None.

Administrator Action: None.

MOVR1020 Exiting Device GetAttributes request, device <device ID>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: The Mover is exiting a request to query device managed object attributes.

System Action: None.

Administrator Action: None.

MOVR1021 Exiting Device SetAttributes request, device <device ID>

Source Files Generating Error Message: mvr_dceif.c

Problem Description: The Mover is exiting a request to alter device managed object attributes.

System Action: None.

Administrator Action: None.

MOVR1022 Exiting Server GetAttributes request

Source Files Generating Error Message: mvr_dceif.c

Problem Description: The Mover is exiting a request to query server managed object attributes.

System Action: None.

Administrator Action: None.

MOVR1023 Exiting Server SetAttributes request

Source Files Generating Error Message: mvr_dceif.c
Problem Description: The Mover is exiting a request to alter server managed object attributes.
System Action: None.
Administrator Action: None.

MOVR1024 Exiting Mover GetAttributes request

Source Files Generating Error Message: mvr_dceif.c
Problem Description: The Mover is exiting a request to query mover managed object attributes.
System Action: None.
Administrator Action: None.

MOVR1025 Exiting Mover SetAttributes request

Source Files Generating Error Message: mvr_dceif.c
Problem Description: The Mover is exiting a request to alter mover managed object attributes.
System Action: None.
Administrator Action: None.

MOVR1026 Exiting DeviceGetAttr_IOD request, device <device ID>

Source Files Generating Error Message: mvr_devattr.c
Problem Description: The Mover is exiting a request to query device managed object attributes.
System Action: None.
Administrator Action: None.

MOVR1027 Exiting DeviceSetAttr_IOD request, device <device ID>

Source Files Generating Error Message: mvr_devattr.c
Problem Description: The Mover is exiting a request to alter device managed object attributes.
System Action: None.
Administrator Action: None.

MOVR1028 Exiting DeviceSpec request, device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover is exiting a device specific request.
System Action: None.
Administrator Action: None.

MOVR1029 Exiting load request, device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover is exiting a device specific load request.
System Action: None.
Administrator Action: None.

MOVR1030 Exiting unload request, device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover is exiting a device specific unload request.
System Action: None.
Administrator Action: None.

MOVR1031 Exiting flush request, device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover is exiting a device specific flush request.
System Action: None.
Administrator Action: None.

MOVR1032 Exiting writetm request, device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover is exiting a device specific write tape mark request.
System Action: None.
Administrator Action: None.

MOVR1033 Exiting loaddisplay request, device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover is exiting a device specific load display request.
System Action: None.
Administrator Action: None.

MOVR1034 Exiting readlabel request, device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover is exiting a device read label request.
System Action: None.
Administrator Action: None.

MOVR1035 Exiting writelabel request, device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover is exiting a device write label request.
System Action: None.
Administrator Action: None.

MOVR1036 Exiting Read request, <bytes moved> bytes

Source Files Generating Error Message: mvr_read.c
Problem Description: The Mover is exiting a read request.
System Action: None.
Administrator Action: None.

MOVR1037 Exiting Write request, <bytes moved> bytes

Source Files Generating Error Message: mvr_write.c
Problem Description: The Mover is exiting a write request.
System Action: None.
Administrator Action: None.

MOVR1038 DeviceSpec clear request for device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover received a request to zero a part of a disk device.
System Action: None.
Administrator Action: None.

MOVR1039 Exiting clear request, device <device ID>

Source Files Generating Error Message: mvr_devspec.c
Problem Description: The Mover is exiting a clear request.
System Action: None.
Administrator Action: None.

MOVR1040 Abort request

Source Files Generating Error Message: mvr_lstntsk.c
Problem Description: The Mover received a transfer abort request.
System Action: None.
Administrator Action: None.

MOVR1041 Create device request for device <device ID>

Source Files Generating Error Message: mvr_dceif.c
Problem Description: The Mover received a request to create a device.
System Action: None.
Administrator Action: None.

MOVR1042 Exiting Create device request for device <device ID>

Source Files Generating Error Message: mvr_dceif.c
Problem Description: The Mover is exiting a create device request.
System Action: None.
Administrator Action: None.

MOVR1043 Delete device request for device <device ID>

Source Files Generating Error Message: mvr_dceif.c
Problem Description: The Mover received a request to delete a device.
System Action: None.
Administrator Action: None.

MOVR1044 Exiting Delete device request for device <device ID>

Source Files Generating Error Message: mvr_dceif.c
Problem Description: The Mover is exiting a delete device request.
System Action: None.
Administrator Action: None.

MOVR2001 End of media on device <device ID>, volume <volume ID>, section <section>, offset <section offset>

Source Files Generating Error Message: mvr_asyncio.c, mvr_tape.c
Problem Description: A write to tape failed, an EOM indication will be returned.
System Action: None.
Administrator Action: None.

MOVR2002 Mover terminating

Source Files Generating Error Message: various
Problem Description: The Mover is terminating execution.
System Action: None.
Administrator Action: None.

MOVR2003 Mover reinitializing

Source Files Generating Error Message: mvr_dceif.c
Problem Description: The Mover is performing reinitialization.
System Action: None.
Administrator Action: None.

MOVR2004 Mover received DCE exception, kind <exception kind>, status/addr <status>

Source Files Generating Error Message: mvr_dcemain.c
Problem Description: The Mover received an exception from DCE.
System Action: The Mover will terminate execution.
Administrator Action: Investigate the cause of the DCE exception.

MOVR2005 Mover received signal <signal number>

Source Files Generating Error Message: various
Problem Description: The Mover received a signal.
System Action: The Mover will terminate execution upon receipt of either SIGINT or SIGTERM.
Administrator Action: Determine the source of the signal.

MOVR2006 Mover initialized

Source Files Generating Error Message: mvr_dcemain.c
Problem Description: The Mover has been initialized.
System Action: None.
Administrator Action: None.

MOVR2007 Disabling device <device ID> due to write error

Source Files Generating Error Message: mvr_tape.c

Problem Description: The Mover has disabled the specified tape device due to receiving an error during a write request. Note that the Mover will disable the device if the error is detected in the first tape section (before or in the act of writing the first tape mark), which could be caused by a bad tape volume - however this action prevents a bad tape drive from causing a number of tape volumes from being marked at end-of-media (EOM).

System Action: The Mover marks the device as disabled, and will notify the PVL that the device has been disabled when it unloads the tape from the drive.

Administrator Action: Perform problem determination procedures to determine if the error was caused by a bad tape volume or by the drive.

Chapter 18

Migration / Purge Server Error Messages (MPSR Series)

MPSR0001 System call failed: %s.

Source Files Generating Error Message: mps_Logging.c, Called indirectly by mps_COSHier.c, mps_CommonRoutines.c, mps_DiskMigr.c, mps_Main.c, mps_Report.c, mps_RunMigr.c, mps_Tape.c

Problem Description: An operating system function call returned an error status.

System Action: Usually aborts the Migration / Purge Server.

Administrator Action: Look at system call error; fix the problem; restart MPS server.

MPSR0002 Error obtaining OFD (File %s).

Source Files Generating Error Message: mps_CommonRoutines.c, Called indirectly by mps_COSHier.c, mps_DiskMigr.c, mps_Main.c, mps_RunMigr.c, mps_RunPurge.c, mps_SClassAttrs.c, mps_SClassTable.c, mps_SClassUsage.c, mps_Tape.c, mps_Tape2.c, mps_Tape3.c

Problem Description: Get an ofd failed.

System Action: Usually aborts the Migration / Purge Server.

Administrator Action: Check the HPSS configuration; verify SFS file name and its associated acl; correct the problem; restart MPS server.

MPSR0003 Address of connect context error.

Source Files Generating Error Message: mps_CommonRoutines.c, Called indirectly by mps_COSHier.c, mps_MPSAttrs.c, mps_SClassAttrs.c, mps_ServerAttrs.c

Problem Description: The call to hpss_EnterConnection returned an error status.

System Action: Returns HPSS_EBADCONN to the calling routine.

Administrator Action: Check DCE; trace the log to locate the problem; fix the problem.

MPSR0004 Invalid type passed to mps_SSMMPSSClassNotify (%d).

Source Files Generating Error Message: mps_SSMNotify.c

Problem Description: Invalid type passed to mps_SSMMPSSCLassNotify. The valid types are 0, 1, and 2.

System Action: Aborts Migration / Purge Server.

Administrator Action: Consult the HPSS development team.

MPSR0005 Disk migration failure (SClassId %d).

Source Files Generating Error Message: mps_DiskMigr.c, mps_Tape3.c

Problem Description: bfs_Migrate returned an error status.

System Action: For disk migration, the MPS recalls the bfs_Migrate according to the limitation specified on the MPS configuration. If all failed, MPS aborts the migration run and goes back to the WAITING state. For tape migration, MPS aborts the migration run and goes back to the WAITING state.

Administrator Action: Consult the HPSS team; check the log to locate the problem; there could be something wrong with Bitfile server.

MPSR0006 Tape lateral move failure (SClassId %d).

Source Files Generating Error Message: mps_Tape3.c

Problem Description: Migration / Purge Server cannot locate a virtual volume for tape migration.

System Action: Aborts the migration run and go back to WAITING state.

Administrator Action: Assign more tapes to this storage class.

MPSR0007 Error locking mutex.

Source Files Generating Error Message: mps_CommonRoutines.c, Called indirectly by mps_COSHier.c, mps_Conn.c, mps_DiskMigr.c, mps_MPSAttrs.c, mps_PolicyRelated.c, mps_Report.c, mps_RunMigr.c, mps_RunPurge.c, mps_SClassAttrs.c, mps_SClassTable.c, mps_SClassUsage.c, mps_SSMNotify.c, mps_ServerAttrs.c, mps_Tape.c, mps_Tape3.c

Problem Description: pthread_mutex_lock returned an error status.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check the mutex locking and possible programming error; correct the problem and restart the Migration / Purge Server.

MPSR0008 Error unlocking mutex.

Source Files Generating Error Message: mps_CommonRoutines.c, Called indirectly by mps_COSHier.c, mps_Conn.c, mps_DiskMigr.c, mps_MPSAttrs.c, mps_PolicyRelated.c, mps_Report.c, mps_RunMigr.c, mps_RunPurge.c, mps_SClassAttrs.c, mps_SClassUsage.c, mps_SSMNotify.c, mps_ServerAttrs.c, mps_Tape.c, mps_Tape3.c

Problem Description: pthread_mutex_lock returned an error status.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check the mutex locking and possible programming error; correct the problem and restart the Migration / Purge Server.

MPSR0009 Entered MPS API <%s>, %s.

Source Files Generating Error Message: mps_Logging.c, Called indirectly by mps_CommonRoutines.c, mps_MPSAttrs.c, mps_SClassAttrs.c, mps_ServerAttrs.c

Problem Description: None, informational.

System Action: None.

Administrator Action: None.

MPSR0010 Error freeing OFD.

Source Files Generating Error Message: mps_CommonRoutines.c, Called indirectly by mps_COSHier.c, mps_DiskMigr.c, mps_Main.c, mps_RunMigr.c, mps_RunPurge.c, mps_SClassAttrs.c, mps_SClassTable.c, mps_Tape.c, mps_Tape2.c, mps_Tape3.c, mps_WrapMetadata.c

Problem Description: hpss_FreeOfd returned an error status.

System Action: Abort Migration / Purge Server.

Administrator Action: Check HPSS configuration; correct the problem; restart Migration / Purge Server.

MPSR0011 MPS configuration initialization error.

Source Files Generating Error Message: mps_Main.c

Problem Description: The configuration of HPSS is not correct.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check HPSS configuration; verify SFS file names and security; correct problem and restart Migration / Purge Server.

MPSR0012 MPS initialize connection error.

Source Files Generating Error Message: mps_Main.c

Problem Description: Migration / Purge Server cannot connect to Bitfile Server, or Storage Server, or SSM.

System Action: None, informational.

Administrator Action: None.

MPSR0013 MPS initialize Class of Service error (COSReadCount %d).

Source Files Generating Error Message: mps_COSHier.c

Problem Description: Migration / Purge Server cannot read successfully a particular Class of Service or a Hierarchy from metadata.

System Action: Aborts Migration / Purge Server if it is just starting up. Do nothing except log the message if the problem occurs after the startup is completed.

Administrator Action: Verify and correct the Class of Server and Hierarchy configuration.

MPSR0014 Invalid combination of type and notification passed(%d - %d).

Source Files Generating Error Message: mps_SSMNotify.c

Problem Description: Bad combination of the RunType and NotifyType found in mps_SSMMPSSClassNotify routine. This is a programming error.

System Action: Aborts Migration / Purge Server.

Administrator Action: Fix the program; recompile and restart the MPS server.

MPSR0015 OFD initialization failed.

Source Files Generating Error Message: mps_Main.c

Problem Description: hpss_InitOfdList returned error status.

System Action: Aborts Migration / Purge Server.

Administrator Action: Make sure the system is configured correctly and MPS has enough memory to run.

MPSR0016 Failure in hpss_InitServer (%s).

Source Files Generating Error Message: mps_Main.c

Problem Description: hpss_InitServer returned an error status.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check HPSS configuration especially the security level, acl, dce principal names, and keytab file. Correct the problem and restart Migration / Purge Server.

MPSR0017 Metadata read error: MPS server config.

Source Files Generating Error Message: mps_Main.c

Problem Description: Can't read the MPS configuration record.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check MPS configuration; fix the problem; restart Migration / Purge Server.

MPSR0018 Bitfile desc metadata inconsistency.

Source Files Generating Error Message: mps_WrapMetadata.c, Called indirectly by mps_DiskMigr.c, mps_RunPurge.c, mps_Tape2.c

Problem Description: MPS found some bitfile disk map records or storage segments that belong to a non-existing bitfile.

System Action: Migration / Purge skips to process this bitfile.

Administrator Action: There could be some programming error in Bitfile Server or Storage Servers.

MPSR0019 Metadata read error: bitfile descriptor.

Source Files Generating Error Message: mps_WrapMetadata.c, Called indirectly by mps_DiskMigr.c, mps_RunPurge.c, mps_Tape2.c

Problem Description: Can't read bitfile descriptor record from metadata.

System Action: Aborts Migration / Purge Server if the number of unsuccessful reads exceed the limitation specified in MPS configuration.

Administrator Action: Check encina SFS server and files; correct the problem and restart Migration / Purge Server.

MPSR0020 Metadata read error: bitfile disk map (SClassId %d).

Source Files Generating Error Message: mps_WrapMetadata.c, Called indirectly by mps_DiskMigr.c, mps_RunPurge.c

Problem Description: Can't read Bitfile Disk Map Allocation records from metadata file.

System Action: Aborts Migration / Purge Server if the number of unsuccessful reads exceed the limitation specified in MPS configuration.

Administrator Action: Check Encina SFS server and files; correct the problem and restart Migration / Purge Server.

MPSR0021 Metadata read error: checkpoint info (SClassId %d).

Source Files Generating Error Message: mps_WrapMetadata.c, Called indirectly by mps_RunMigr.c, mps_RunPurge.c

Problem Description: Can't read MPS checkpoint records from metadata file.

System Action: Aborts Migration / Purge Server if total number of unsuccessful reads exceed the limitation specified in MPS configuration.

Administrator Action: Check encina SFS server and files; correct the problem and restart Migration / Purge Server.

MPSR0022 Metadata read error: HPSS server config.

Source Files Generating Error Message: mps_Main.c

Problem Description: Can't read the MPS generic server configuration record from metadata.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check encina SFS server and server configuration file; correct the problem and restart Migration / Purge Server.

MPSR0023 Metadata read error: Storage-Maps-by-Space (SClassId %d).

Source Files Generating Error Message: mps_Tape2.c, mps_Tape3.c

Problem Description: Failed to read Storage-Maps-by-Space record from metadata.

System Action: Aborts the tape migration run and go back to WAITING state.

Administrator Action: Check the SS resource for this storage class.

MPSR0024 Metadata read error: migration policy (MigrPolicyId %d).

Source Files Generating Error Message: mps_WrapMetadata.c, Called indirectly by mps_RunMigr.c, mps_SClassAttrs.c, mps_SClassTable.c

Problem Description: Can't read the migration policy metadata.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check encina SFS server and migration policy file; correct the problem and restart Migration / Purge Server.

MPSR0025 Metadata read error: purge policy (PurgePolicyId %d).

Source Files Generating Error Message: mps_WrapMetadata.c, Called indirectly by mps_RunPurge.c, mps_SClassAttrs.c, mps_SClassTable.c

Problem Description: Can't read the purge policy metadata.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check encina SFS server and purge policy file; correct the problem and restart Migration / Purge Server.

MPSR0026 Metadata read error: storage class (SClassId %d).

Source Files Generating Error Message: mps_SClassTable.c

Problem Description: Can't read storage class metadata.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check encina SFS server and storage class configuration file; correct the problem and restart Migration / Purge Server.

MPSR0027 Metadata read error: Storage Segments-by-VV.

Source Files Generating Error Message: mps_Tape2.c

Problem Description: Failed to read storage segments for a particular virtual volume.

System Action: Aborts the current tape migration and go back to WAITING state.

Administrator Action: Check the SS resource for the tapes which are in "allocated and full" state.

MPSR0028 Invalid notification passed(%d).

Source Files Generating Error Message: mps_SSMNotify.c

Problem Description: Invalid NotifyType passed to mps_SSMMPSSClassNotify. This is a programming error.

System Action: Aborts Migration / Purge Server.

Administrator Action: Fix the program; recompile and restart MPS server.

MPSR0029 Storage class type not defined in metadata (SClassId %d, Type %d).

Source Files Generating Error Message: mps_RunMigr.c

Problem Description: The type of the storage class is not DISK, nor TAPE.

System Action: Aborts the migration and go back to wait.

Administrator Action: Correct the storage class configuration; shutdown and restart Migration / Purge Server.

MPSR0030 Metadata write error: Checkpoint info (SClassId %d).

Source Files Generating Error Message: mps_WrapMetadata.c, Called indirectly by mps_DiskMigr.c, mps_RunMigr.c, mps_RunPurge.c

Problem Description: Failed to write to MPS checkpoint file.

System Action: Aborts Migration / Purge Server if the unsuccessful writes exceed the limitation specified in the MPS configuration.

Administrator Action: Check encina SFS server and MPS checkpoint file; correct the problem and restart Migration / Purge Server.

MPSR0031 Metadata config info is not for MPS.

Source Files Generating Error Message: mps_Main.c

Problem Description: The server type isn't MPS_SERVER_TYPE in the MPS server configuration record.

System Action: Aborts Migration / Purge Server.

Administrator Action: Correct the server type in Migration / Purge Server configuration and then restart Migration / Purge Server.

MPSR0032 Metadata config is not for Storage Server.

Source Files Generating Error Message: mps_Main.c

Problem Description: The server type isn't SS_SERVER_TYPE in the Storage Server configuration record.

System Action: Aborts Migration / Purge Server.

Administrator Action: Correct the server type in Storage Server configuration and then restart Migration / Purge Server.

MPSR0033 Error in hpss_PreInitConnections.

Source Files Generating Error Message: mps_Main.c
Problem Description: hpss_PreInitConnections returned an error status.
System Action: Aborts Migration / Purge Server.
Administrator Action: Check DCE RPC functions; fix problem; restart Migration / Purge Server.

MPSR0034 Error in hpss_PreRegisterService (Status %d).

Source Files Generating Error Message: mps_Main.c
Problem Description: hpss_PreRegisterService returned an error status.
System Action: Aborts Migration / Purge Server.
Administrator Action: Check DCE RPC functions; fix problem; restart Migration / Purge Server.

MPSR0035 Failure in pthread_cond_init.

Source Files Generating Error Message: mps_CommonRoutines.c, Called indirectly by mps_COSHier.c, mps_DiskMigr.c, mps_Main.c, mps_RunPurge.c
Problem Description: Failed to initialize a mutex condition variable.
System Action: Aborts Migration / Purge Server.
Administrator Action: Check DCE locking system; fix problem; restart Migration / Purge Server.

MPSR0036 Failure in pthread_cond_wait.

Source Files Generating Error Message: mps_CommonRoutines.c, Called indirectly by mps_COSHier.c, mps_DiskMigr.c, mps_RunPurge.c
Problem Description: Failed to wait on a mutex condition variable.
System Action: Aborts Migration / Purge Server.
Administrator Action: Check DCE locking system; fix problem; restart Migration / Purge Server.

MPSR0037 Failure in pthread_create.

Source Files Generating Error Message: mps_CommonRoutines.c, Called indirectly by mps_DiskMigr.c, mps_Main.c, mps_SClassTable.c, mps_Tape.c
Problem Description: Failed to create a thread object and thread.
System Action: Aborts Migration / Purge Server.
Administrator Action: Check DCE functions; fix problem; restart Migration / Purge Server.

MPSR0038 Failure in pthread_detach.

Source Files Generating Error Message: mps_CommonRoutines.c, Called indirectly by mps_RunMigr.c, mps_RunPurge.c, mps_SClassUsage.c, mps_Tape.c
Problem Description: Failed to mark a thread object for deletion.
System Action: Aborts Migration / Purge Server.
Administrator Action: Check DCE functions; fix problem; restart Migration / Purge Server.

MPSR0039 Failure in pthread_mutex_init.

Source Files Generating Error Message: mps_CommonRoutines.c, Called indirectly by mps_Conn.c, mps_DiskMigr.c, mps_Main.c, mps_Report.c, mps_SClassTable.c

Problem Description: Failed to initialize a mutex.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check DCE functions; fix problem; restart Migration / Purge Server.

MPSR0040 MPS register initialization error.

Source Files Generating Error Message: mps_Main.c

Problem Description: Can't register Migration / Purge Server interface.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check DCE and HPSS configuration; fix the problem; restart Migration / Purge Server.

MPSR0041 No migration or purge policy in storage class (SClassId %d).

Source Files Generating Error Message: mps_SClassTable.c

Problem Description: There is no migration or purge policies specified for this storage class.

System Action: None.

Administrator Action: If this isn't intentional, shutdown Migration / Purge Server; fix the problem; restart Migration / Purge Server.

MPSR0042 This message is not currently used.

Source Files Generating Error Message:

Problem Description: None

System Action: None

Administrator Action:

MPSR0043 SSM mps_ServerSet reinit not supported.

Source Files Generating Error Message: mps_ServerAttrs.c

Problem Description: None, informational.

System Action: None.

Administrator Action: None.

MPSR0044 Tape migration start (SClassId %d).

Source Files Generating Error Message: mps_Tape.c

Problem Description: None, informational.

System Action: None.

Administrator Action: None.

MPSR0045 Unable to end session with SS.

Source Files Generating Error Message: mps_Tape.c

Problem Description: The call to ss_EndSession failed; could be caused by a bad connection, or DCE utility failure, or a bad session handle passed by the mps_Tape.c.

System Action: None.

Administrator Action: Check DCE and mps_Tape.c and fix the problem.

MPSR0046 Unable to open session with SS.

Source Files Generating Error Message: mps_Tape.c

Problem Description: The call to ss_BeginSession failed; could be caused by a bad connection, or DCE utility failure, or Server memory exhausted.

System Action: Aborts the current tape migration run and go back to WAITING state.

Administrator Action: Check and fix the problem in DCE or system.

MPSR0047 Disk purge failure.

Source Files Generating Error Message: mps_RunPurge.c

Problem Description: The call to bfs_Purge returned an error status.

System Action: Aborts the Migration / Purge Server if the number of the failed bfs_Purge calls exceeded the one specified in the MPS configuration.

Administrator Action: Consult the HPSS team; there could be something wrong in Bitfile server.

MPSR0048 Metadata read error: SS general config.

Source Files Generating Error Message: mps_Main.c

Problem Description: Can't read the Storage Server configuration record.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check the HPSS configuration; fix the problem; restart Migration / Purge Server.

MPSR0049 MPS Server startup complete.

Source Files Generating Error Message: mps_Main.c

Problem Description: None, informational.

System Action: None.

Administrator Action: None.

MPSR0050 Tape migration error (SClassId %d).

Source Files Generating Error Message: mps_Tape.c

Problem Description: The Migration / Purge Server aborts the current tape migration run. There must be some other messages that described the real problem logged before this one.

System Action: None.

Administrator Action: None.

MPSR0051 Tape migration end (SClassId %d, %s bytes migrated, %s moved laterally, %s extra).

Source Files Generating Error Message: mps_Tape.c
Problem Description: None, informational.
System Action: None.
Administrator Action: None.

MPSR0052 No SS selected for tape migration.

Source Files Generating Error Message: mps_Tape.c
Problem Description: There is no Storage Server assigned for this storage class; could be caused by no tapes assign to this storage class.
System Action: None.
Administrator Action: Import tapes and assign them to Tape Storage Server.

MPSR0053 Could not make local connection to SS.

Source Files Generating Error Message: mps_Tape.c
Problem Description: Migration / Purge Server can't make local connection to one of the Storage Servers.
System Action: Aborts the current tape migration run and go back to WAITING state.
Administrator Action: Verify that the Storage Servers are running, check the HPSS configuration; fix the problem if any.

MPSR0054 Tape Migration for SS has completed.

Source Files Generating Error Message: mps_Tape.c
Problem Description: None, informational.
System Action: None.
Administrator Action: None.

MPSR0055 Lost connection to server: %s.

Source Files Generating Error Message: mps_Conn.c
Problem Description: A server to which MPS connects is down.
System Action: None.
Administrator Action: None.

MPSR0056 Cannot connect to server: %s.

Source Files Generating Error Message: mps_Conn.c
Problem Description: MPS cannot connect to a server of which it is a client.
System Action: None.
Administrator Action: None.

MPSR0057 Maximum storage classes exceeded (Count %d).

Source Files Generating Error Message: mps_SClassTable.c

Problem Description: The total number of storage classes defined in metadata is more than the number allowed in hpss_limits.idl.

System Action: Ignores those storage classes that are defined behind the limit.

Administrator Action: Report this problem to HPSS team.

MPSR0058 Maximum storage servers exceeded (Count %d).

Source Files Generating Error Message: mps_SClassUsage.c

Problem Description: The total number of Storage Server defined in metadata is more than the number allowed in hpss_limits.idl.

System Action: Ignores those storage servers that are defined behind the limit.

Administrator Action: Report this problem to HPSS team.

MPSR0059 Memory allocation failed (size %d).

Source Files Generating Error Message: mps_CommonRoutines.c; Called indirectly by mps_COSHier.c, mps_Tape.c, mps_Tape2.c, mps_Tape3.c.

Problem Description: There isn't enough memory for Migration / Purge Server to allocate memory.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check the system and allocate more memory for Migration / Purge Server; restart Migration / Purge Server.

MPSR0060 MPS initialize class of service hierarchy error (HierId %d).

Source Files Generating Error Message: mps_COSHier.c

Problem Description: Migration / Purge Server can’t read successfully a particular Hierarchy from metadata

System Action: Aborts Migration / Purge Server if it is just starting up. Do nothing except log the message if the problem occurs after the startup is completed

Administrator Action: Verify and correct the Class of Server or Hierarchy configuration.

MPSR0061 Metadata read error: All Storage Classes.

Source Files Generating Error Message: mps_SClassTable.c

Problem Description: Migration / Purge isn't able to read the storage class metadata.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check the storage class SFS file; fix the problem; restart Migration / Purge Server.

MPSR0062 No SS for this storage class (SClassId %d).

Source Files Generating Error Message: mps_SClassUsage.c

Problem Description: None, informational.

System Action: None.

Administrator Action: Correct the problem if this isn't intentional.

MPSR0063 Disk migration start (SClassId %d).

Source Files Generating Error Message: mps_DiskMigr.c
Problem Description: None, informational.
System Action: None.
Administrator Action: None.

MPSR0064 Disk migration end (SClassId %d, %s bytes migrated).

Source Files Generating Error Message: mps_DiskMigr.c
Problem Description: None, informational.
System Action: None.
Administrator Action: None.

MPSR0065 Disk purge start (SClassId %d).

Source Files Generating Error Message: mps_RunPurge.c
Problem Description: None, informational.
System Action: None.
Administrator Action: None.

MPSR0066 Disk purge end (SClassId %d, %s bytes purged).

Source Files Generating Error Message: mps_RunPurge.c
Problem Description: None, informational.
System Action: None.
Administrator Action: None.

MPSR0067 Metadata read error: SS only config.

Source Files Generating Error Message: mps_Main.c
Problem Description: Can't read Storage Server Specific configuration.
System Action: Aborts Migration / Purge Server.
Administrator Action: Check and fix the problem in Storage Server Specific Configuration file; restart Migration / Purge Server.

MPSR0068 Metadata read error: BFS general config.

Source Files Generating Error Message: mps_Main.c
Problem Description: Can't read Bitfile Server general configuration.
System Action: Aborts Migration / Purge Server.
Administrator Action: Check and fix the problem in server configuration file; restart Migration / Purge Server.

MPSR0069 Metadata read error: BFS only config.

Source Files Generating Error Message: mps_Main.c

Problem Description: Can't read Bitfile Server Specific configuration.

System Action: Aborts Migration / Purge Server.

Administrator Action: Check and fix the problem in Bitfile Server Configuration file; restart Migration / Purge Server.

MPSR0070 Metadata config is not for Bitfile Server.

Source Files Generating Error Message: mps_Main.c

Problem Description: The server type isn't BFS_SERVER_TYPE in the Bitfile Server configuration record.

System Action: Aborts Migration / Purge Server.

Administrator Action: Correct the server type in Bitfile Server configuration and then restart Migration / Purge Server.

MPSR0071 The unknown connection is dead.

Source Files Generating Error Message: mps_Conn.c

Problem Description: An unknown server is down.

System Action: None.

Administrator Action: None.

MPSR0073 Initialize the security service failed.

Source Files Generating Error Message: mps_Main.c

Problem Description: Can't initialize the security service.

System Action: Aborts the Migration / Purge Server.

Administrator Action: Verify and fix the security setups for HPSS; restart Migration / Purge Server.

MPSR0074 hsec_Audit failed.

Source Files Generating Error Message: mps_Commonroutines.c, Called indirectly by mps_COSHier.c, mps_MPSAttrs.c, mps_SClassAttrs.c, mps_ServerAttrs.c

Problem Description: The call to hsec_Audit returned an error status.

System Action: Log message and returns HPSS_EPERM to the calling routine.

Administrator Action: Check DCE security; fix the problem.

MPSR0075 Initialize caller auth vector failed.

Source Files Generating Error Message: mps_Main.c

Problem Description: Can't Initialize caller auth vector.

System Action: Aborts Migration / Purge Server.

Administrator Action: Verify and fix the security setups for HPSS; restart Migration / Purge Server.

MPSR0076 read SSM server config failed.

Source Files Generating Error Message: mps_Main.c
Problem Description: Can't read the SSM general server configuration record.
System Action: Aborts Migration / Purge Server.
Administrator Action: Check and fix the problem in server configuration file; restart Migration / Purge Server.

MPSR0077 This message is not currently used.

Source Files Generating Error Message:
Problem Description: This message is not currently used.
System Action: None.
Administrator Action: Consult the HPSS development team.

MPSR0078 Failure in hpss_UnregisterService.

Source Files Generating Error Message: mps_Main.c
Problem Description: Can't unregister Migration / Purge interface or connection manager services before aborting the Migration / Purge server.
System Action: None.
Administrator Action: Check DCE.

MPSR0080 There is no storage class specified for this MPS.

Source Files Generating Error Message: mps_Main.c
Problem Description: There is no storage classes specified for this Migration / Purge Server.
System Action: Terminates the Migration / Purge Server.
Administrator Action: If this isn't intentional, fix the problem and restart Migration / Purge Server.

MPSR0081 Caller authorization failed.

Source Files Generating Error Message: mps_Conn.c
Problem Description: The Caller isn’t authorized to make the API calls.
System Action: Returns error status to caller.
Administrator Action: Verify the ACL; fix the problem if this isn't intentional.

MPSR0082 Reconnected to server: %s.

Source Files Generating Error Message: mps_Conn.c
Problem Description: MPS has successfully reconnected to a server of which it is a client.
System Action: None.
Administrator Action: None.

MPSR0083 Storage class warning threshold exceeded (SClassId %d).

Source Files Generating Error Message: mps_SClassUsage.c

Problem Description: The warning threshold of a particular storage class exceeded the value specified in the storage class configuration.

System Action: None.

Administrator Action: Review the allocation of storage space for the storage class to determine whether additional space can be allocated. If the storage class is configured to support migration / purge, review the migration / purge policy to determine whether they can be tuned to free up more space sooner. A force migration / purge may be used to free up eligible space immediately.

MPSR0084 The NumActiveSegments in the storage map is incorrect.

Source Files Generating Error Message: mps_Tape.c

Problem Description: The total number of the active storage segments is inconsistent; or the number of active storage segments is greater than 0 after all the segments in tape is supposed migrated.

System Action: None.

Administrator Action: Consult the situation with the HPSS team. There maybe bugs in Storage Servers.

MPSR0085 Storage class critical threshold exceeded (SClassId %d).

Source Files Generating Error Message: mps_SClassUsage.c

Problem Description: The critical threshold of a particular storage class exceeded the value specified in the storage class configuration.

System Action: None.

Administrator Action: Review the allocation of storage space for the storage class to determine whether additional space can be allocated. If the storage class is configured to support migration / purge, review the migration / purge policy to determine whether they can be tuned to free up more space sooner. A force migration / purge may be used to free up eligible space immediately.

MPSR0086 Migration record found for nonexistent file.

Source Files Generating Error Message: mps_DiskMigr.c

Problem Description: A migration record was found for a bitfile which no longer exists. This may indicate a software bug or simply that a user has deleted a file.

System Action: None.

Administrator Action: Notify the HPSS development team is message persists.

MPSR0087 Purge record found for nonexistent file.

Source Files Generating Error Message: mps_RunPurge.c

Problem Description: A purge record was found for a bitfile which no longer exists. This may indicate a software bug, or simply that a user has deleted a file.

System Action: None.

Administrator Action: Notify the HPSS development team is message persists.

MPSR0088 This message is not currently being used.

Source Files Generating Error Message:
Problem Description: None.
System Action: None.
Administrator Action: None.

MPSR0089 Failure in pthread_mutex_trylock.

Source Files Generating Error Message: mps_CommonRoutines.c
Problem Description: A call to pthread_mutex_trylock failed.
System Action: Aborts Migration / Purge Server.
Administrator Action: Notify the HPSS development team if problem persists.

MPSR0090 Failure in pthread_join.

Source Files Generating Error Message: mps_CommonRoutines.c
Problem Description: A call to pthread_join failed.
System Action: Aborts Migration / Purge Server.
Administrator Action: Notify the HPSS development team if problem persists.

MPSR0091 Failure in pthread_mutex_destroy.

Source Files Generating Error Message: mps_CommonRoutines.c
Problem Description: A call to pthread_mutex_destroy failed.
System Action: Aborts Migration / Purge Server.
Administrator Action: Notify the HPSS development team if problem persists.

MPSR0092 Failure in pthread_cond_timedwait.

Source Files Generating Error Message: mps_CommonRoutines.c
Problem Description: A call to pthread_cond_timedwait failed.
System Action: Aborts Migration / Purge Server.
Administrator Action: Notify the HPSS development team if problem persists.

MPSR0093 Failure in pthread_cond_broadcast.

Source Files Generating Error Message: mps_CommonRoutines.c
Problem Description: A call to pthread_cond_broadcast failed.
System Action: Aborts Migration / Purge Server.
Administrator Action: Notify the HPSS development team if problem persists.

MPSR0094 Failure in pthread_cond_destroy.

Source Files Generating Error Message: mps_CommonRoutines.c
Problem Description: A call to pthread_cond_destroy failed.
System Action: Aborts Migration / Purge Server.
Administrator Action: Notify the HPSS development team if problem persists.

MPSR0095 Failure in pthread_cond_signal.

Source Files Generating Error Message: mps_CommonRoutines.c
Problem Description: A call to pthread_cond_signal failed.
System Action: Aborts Migration / Purge Server.
Administrator Action: Notify the HPSS development team if problem persists.

MPSR0096 Failure in pthread_get_expiration_np.

Source Files Generating Error Message: mps_CommonRoutines.c
Problem Description: A call to pthread_get_expiration_np failed.
System Action: Aborts Migration / Purge Server.
Administrator Action: Notify the HPSS development team if problem persists.

MPSR0097 Error deleting migration record.

Source Files Generating Error Message: mps_WrapMetadata.c
Problem Description: An error occurred while deleting a migration record.
System Action: None
Administrator Action: Notify the HPSS development team if problem persists.

MPSR0098 Error deleting purge record.

Source Files Generating Error Message: mps_WrapMetadata.c
Problem Description: An error occurred while deleting a purge record.
System Action: None.
Administrator Action: Notify the HPSS development team if problem persists.

MPSR0099 Storage class critical threshold cleared (SClassId %d).

Source Files Generating Error Message: mps_SClassUsage.c
Problem Description: A storage class critical threshold condition as been cleared.
System Action: Clears Migration / Purge Server's status if no other problems exist.
Administrator Action: None.

MPSR0100 Storage class warning threshold cleared (SClassId %d).

Source Files Generating Error Message: mps_SClassUsage.c
Problem Description: A storage class warning threshold condition has been cleared.
System Action: Clears Migration / Purge Server's status if no other problems exist.
Administrator Action: None.

MPSR0101 Tape lateral move error (SClassId %d).

Source Files Generating Error Message: mps_Tape3.c
Problem Description: MPS cannot find a virtual volume for tape migration.
System Action: Aborts migration run.
Administrator Action: Assign more tapes to this storage class.

MPSR0102 Underflow error.

Source Files Generating Error Message: mps_CommonRoutines.c
Problem Description: MPS has encountered an underflow error.
System Action: None, but migration or purge may not move the correct number of bytes.
Administrator Action: Restart MPS. Report this problem to the HPSS team.

MPSR0103 Division by zero error.

Source Files Generating Error Message: mps_CommonRoutines.c
Problem Description: MPS has encountered a division by zero error.
System Action: None, but migration or purge may not move the correct number of bytes.
Administrator Action: Restart MPS. Report this problem to the HPSS team.

MPSR0104 Time has no meaning.

Source Files Generating Error Message: mps_RunMigr.c
Problem Description: MPS thinks the system clock has gone backwards.
System Action: Aborts Migration / Purge Server.
Administrator Action: Restart MPS. If problem persists, report to HPSS team.

MPSR0105 Disk migration hierarchy error (SClassId %d).

Source Files Generating Error Message: mps_DiskMigr.c
Problem Description: MPS is trying to run migration on a storage class which belongs to a hierarchy, but the hierarchy does not map to a class of service.
System Action: Aborts Migration / Purge Server.
Administrator Action: Check Storage Class / Hierarchy / Class Of Service Configurations.

MPSR0106 Metadata read error: migration record (SClassId %d).

Source Files Generating Error Message: mps_WrapMetadata.c
Problem Description: MPS cannot read from the migration record file.
System Action: Migration run is aborted.
Administrator Action: Check migration record SFS file; restart MPS.

MPSR0107 Metadata read error: purge record (SClassId %d).

Source Files Generating Error Message: mps_WrapMetadata.c
Problem Description: MPS cannot read from the purge record file.
System Action: Purge run is aborted.
Administrator Action: Check purge record SFS file; restart MPS.

MPSR0108 Metadata read error: wrong bitfile disk map. (Expected SClassId %d, Got SClassId %d).

Source Files Generating Error Message: mps_WrapMetadata.c
Problem Description: MPS read the wrong bitfile disk map.
System Action: None.
Administrator Action: Restart MPS. Report this problem to the HPSS team.

MPSR0109 Metadata read error: wrong migration record. (Expected SClassId %d, Got SClassId %d).

Source Files Generating Error Message: mps_WrapMetadata.c
Problem Description: MPS read the wrong bitfile migration record.
System Action: None.
Administrator Action: Restart MPS. Report this problem to the HPSS team.

MPSR0110 Metadata read error: wrong purge record. (Expected SClassId %d, Got SClassId %d).

Source Files Generating Error Message: mps_WrapMetadata.c
Problem Description: MPS read the wrong purge record.
System Action: None.
Administrator Action: Restart MPS. Report this problem to the HPSS team.

Chapter 19

Non-DCE Client Gateway Error Messages (NDCG Series)

NDCG0001 hpss_InitServer failed: <error description>

Source Files Generating Error Message: ndcg_dcemain.c
Problem Description: The server could not be initialized.
System Action: The NDCG terminates.
Administrator Action: Verify that the server configuration metadata is correct.

NDCG0002 Thread creation (pthread_create) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_tcpmain.c
Problem Description: A DCE thread could not be created.
System Action: The calling function returns with an error
Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space). If not, internal server error - report to HPSS support. Hint: Make sure that the NDCG server-specific configuration has reasonable values for it's Maximum Thread Pool Size.

NDCG0003 Mutex initialization (pthread_mutex_init) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_queue.c, ndcg_tcpmain.c
Problem Description: A mutex could not be initialized.
System Action: The NDCG terminates.
Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space). If not, internal server error - report to HPSS support.

NDCG0004 Mutex lock operation (pthread_mutex_lock) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_misc.c
Problem Description: A mutex could not be locked.
System Action: The NDCG terminates.
Administrator Action: Internal server error. Report to HPSS support.

NDCG0005 Mutex unlock operation (pthread_mutex_unlock) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_misc.c

Problem Description: A mutex could not be unlocked

System Action: The NDCG terminates.

Administrator Action: Internal server error. Report to HPSS support.

NDCG0006 Condition variable initialization (pthread_cond_init) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_queue.c

Problem Description: A condition variable could not be initialized.

System Action: The NDCG terminates.

Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space). If not, internal server error - report to HPSS support.

NDCG0007 Wait on condition variable (pthread_cond_wait) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_queue.c

Problem Description: A wait on a condition variable failed.

System Action: The NDCG terminates.

Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space). If not, internal server error - report to HPSS support.

NDCG0008 Signal of condition variable (pthread_cond_signal) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_queue.c

Problem Description: A condition variable could not be signalled.

System Action: The NDCG terminates.

Administrator Action: Internal server error. Report to HPSS support.

NDCG0009 Wait on signal (sigwait) failed

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: An attempt to wait for the delivery of a signal failed.

System Action: None.

Administrator Action: nternal server error. Report to HPSS support.

NDCG0010 hpss_PreRegisterService() failed

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: The NDCG could perform the initial registration of the NDCG server interfaces.

System Action: The NDCG terminates.

Administrator Action: Verify that the DCE servers, CDS server specifically, are running, that the CDS contains the necessary directories and the NDCG server's configuration information contains the correct server name.

NDCG0011 hsec_Init() failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_tcpmain.c

Problem Description: HPSS security could not be initialized.

System Action: The NDCG terminates.

Administrator Action: Verify that the DCE servers, security server specifically, are running and that the NDCG server's configuration metadata is correct.

NDCG0012 hsec_InitAuthzVector() failed

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: The vector used to store information on authorized callers could not be initialized.

System Action: The NDCG terminates.

Administrator Action: Verify that the DCE servers, security server specifically, are running and that the NDCG server's configuration metadata is correct.

NDCG0014 hsec_CallerAuthorized() failed

Source Files Generating Error Message: ndcg_admin.c

Problem Description: An attempt to determine if a client is authorized to perform an operation failed.

System Action: Returns request with error.

Administrator Action: Verify that the DCE servers, security server specifically, are running and that the NDCG server's configuration metadata is correct.

NDCG0015 Caller not authorized

Source Files Generating Error Message: ndcg_admin.c

Problem Description: A client does not have appropriate permissions to perform the requested action.

System Action: Returns HPSS_EPERM.

Administrator Action: Ensure that the client appears on the appropriate ACLs with all required permissions.

NDCG0016 hsec_Audit() failed

Source Files Generating Error Message: ndcg_admin.c

Problem Description: An attempt to write a security audit record failed.

System Action: None.

Administrator Action: Internal server error. Report to HPSS support.

NDCG0017 hpss_InitRPCMasterHandle() failed

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: An RPC handle could not be initialized.

System Action: The NDCG terminates.

Administrator Action: Internal server error. Report to HPSS support.

NDCG0018 hpss_FreeRPCHandle() failed

Source Files Generating Error Message: ndcg_dcemain.c
Problem Description: An RPC handle could not be freed.
System Action: None.
Administrator Action: Internal server error. Report to HPSS support.

NDCG0019 Open of SFS file (sfs_Open) failed

Source Files Generating Error Message: ndcg_dcemain.c
Problem Description: There was a problem opening a metadata file.
System Action: The current request returns with an error.
Administrator Action: Check appropriate configuration parameters for correct SFS filenames, and make sure SFS is running.

NDCG0020 Close of SFS file (sfs_Close) failed

Source Files Generating Error Message: ndcg_dcemain.c
Problem Description: There was a problem closing a metadata file.
System Action: In some situations the current call will return with HPSS_EIO.
Administrator Action: Ensure that SFS is running.

NDCG0021 mm_ReadServerConfig() failed

Source Files Generating Error Message: ndcg_dcemain.c
Problem Description: A Metadata Monitor call was unsuccessful.
System Action: The NDCG terminates.
Administrator Action: Ensure that the Metadata Monitor is running and connected, and check that SFS is running.

NDCG0022 mm_ReadNDCG() failed

Source Files Generating Error Message: ndcg_dcemain.c
Problem Description: A Metadata Monitor call was unsuccessful.
System Action: The call returns HPSS_EIO.
Administrator Action: Ensure that the Metadata Monitor is running and connected, and check that SFS is running.

NDCG0023 Socket creation (socket) failed

Source Files Generating Error Message: ndcg_admin.c, ndcg_dcemain.c, ndcg_tcpmain.c
Problem Description: A socket could not be created.
System Action: The NDCG terminates.
Administrator Action: Determine if error was caused by system resource exhaustion (sockets, file descriptors). If not, internal NDCG error - report to HPSS support.

NDCG0024 Connection establishment (connect) failed

Source Files Generating Error Message: ndcg_admin.c, ndcg_dcemain.c, ndcg_tcpmain.c

Problem Description: An attempt to establish a TCP/IP connection failed.

System Action: The NDCG terminates.

Administrator Action: Determine if the client aborted the transfer. if not, perform problem determination on both ends to determine the cause of the failure.

NDCG0025 Could not initialize connection processing

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: An attempt to initialize the HPSS connection handling interface failed.

System Action: The NDCG terminates.

Administrator Action:Verify that the DCE servers, CDS specifically, are running, that the CDS contains the necessary directories and the NDCG configuration information contains the correct server name.

NDCG0026 Could not register DCE interface

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: The NDCG server could not register its DCE interfaces.

System Action: None.

Administrator Action: Verify that the DCE servers, CDS specifically, are running, that the CDS contains the necessary directories and the NDCG configuration information contains the correct server name.

NDCG0027 Could not unregister DCE interface

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: The NDCG server could not unregister its DCE interfaces.

System Action: None.

Administrator Action: Verify that the DCE servers, CDS specifically, are running.

NDCG0028 Could not read gateway configuration

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: The NDCG could not read the necessary configuration information.

System Action: The NDCG terminates.

Administrator Action: Determine if the SFS is running. If so, determine if the NDCG's configuration metadata contains correct metadata file names and correct NDCG idenitifiers.

NDCG0029 RPC listen (trdce_serverlisten) failed

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: An attempt to listen for RPC requests failed.

System Action: THe NDCG terminates.

Administrator Action: Internal server error. Report to HPSS support.

NDCG0030 Retrieval of current time (gettimeofday) failed

Source Files Generating Error Message: ndcg_admin.c, ndcg_dcemain.c

Problem Description: A call to gettimeofday() failed.

System Action: None. Statistics may not be maintained for the NDCG timestamps.

Administrator Action: Internal server error. Report to HPSS support.

NDCG0031 Could not find SSM interface endpoint

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: An attempt to establish a binding handle to SSM failed.

System Action: NDCG will wait for a specified amount of time and try again.

Administrator Action: Ensure that SSM is up and running.

NDCG0032 Could not open connection to SSM

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: An attempt to establish a connection to SSM failed.

System Action: NDCG will wait for a specified amount of time and try again.

Administrator Action: Ensure that SSM is up and running

NDCG0033 ssm_ServerNotify() failed

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: An attempt to send notification of server object attributes changes failed.

System Action: The NDCG determines if whether a new binding handle is required for further commincations with SSM.

Administrator Action: Ensure that SSM is running correctly.

NDCG0034 ssm_NDCGNotify() failed

Source Files Generating Error Message: ndcg_dcemain.c

Problem Description: An attempt to send notification of NDCG object attribute changes failed.SSM.

System Action: The NDCG determines if whether a new binding handle is required for further commincations with SSM.

Administrator Action: Ensure that SSM is running correctly.

NDCG0035 SendNotifyRequest() failed

Source Files Generating Error Message: ndcg_admin.c, ndcg_dcemain.c, ndcg_misc.c, ndcg_tcpmain.c

Problem Description: An attempt to forward a notification request to NDCG SSM notification thread failed.

System Action: The notification request is dropped.

Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0036 hpss_EnterConnection() failed

Source Files Generating Error Message: ndcg_admin.c

Problem Description: A connection was found to be invalid.

System Action: The request returns with HPSS_EBADCONN.

Administrator Action: Determine the cause of the invalid SSM request connection context.

NDCG0037 Exiting Server GetAttributes request

Source Files Generating Error Message: ndcg_admin.c

Problem Description: The NDCG server is exiting a request to query attributes of the server managed object.

System Action: None.

Administrator Action: None.

NDCG0038 Exiting Server SetAttributes request

Source Files Generating Error Message: ndcg_admin.c

Problem Description: The NDCG server is exiting a request to alter the attributes of the server managed object.

System Action: None.

Administrator Action: None.

NDCG0039 Exiting Gateway GetAttributes request

Source Files Generating Error Message: ndcg_admin.c

Problem Description: The NDCG server is exiting a request to query the attributes of the NDCG managed object.

System Action: None.

Administrator Action: None.

NDCG0040 Exiting Gateway SetAttributes request

Source Files Generating Error Message: ndcg_admin.c

Problem Description: The NDCG server is exiting a request to alter the attributes of the NDCG managed object.

System Action: None.

Administrator Action: None.

NDCG0041 Server GetAttributes request

Source Files Generating Error Message: ndcg_admin.c, ndcg_tcpmain.c

Problem Description: None.

System Action: None.

Administrator Action: The NDCG server received a request to query attributes of the server managed object.

NDCG0042 Server SetAttributes request

Source Files Generating Error Message: ndcg_admin.c

Problem Description: None.

System Action: None.

Administrator Action: The NDCG server received a request to alter the attributes of the server managed object.

NDCG0043 Gateway GetAttributes request

Source Files Generating Error Message: ndcg_admin.c

Problem Description: The NDCG server received a request to query the attributes of the NDCG managed object.

System Action: None.

Administrator Action: None.

NDCG0044 Gateway SetAttributes request

Source Files Generating Error Message: ndcg_admin.c

Problem Description: The NDCG server received a request to alter the attributes of the NDCG managed object.

System Action: None.

Administrator Action: None.

NDCG0045 Invalid SelectionFlags <specified value>

Source Files Generating Error Message: ndcg_admin.c

Problem Description: An attribute update was attempted with an invalid set of attributes specified for changes.

System Action: The call is returned with HPSS_EINVAL.

Administrator Action: Ensure that client applications pass correct values for InSelectBitmap.

NDCG0046 Change on unsettable mover attr, SelectionFlags = <specified value>

Source Files Generating Error Message: ndcg_admin.c

Problem Description: An attribute update was attempted with an invalid set of attributes specified for changes.

System Action: The call is returned with HPSS_EINVAL.

Administrator Action: Ensure that client applications pass correct values for InSelectBitmap.

NDCG0047 Change on unsettable server attr, SelectionFlags = <specified value>

Source Files Generating Error Message: ndcg_admin.c

Problem Description: An attribute update was attempted with an invalid set of attributes specified for changes.

System Action: The call is returned with HPSS_EINVAL.

Administrator Action: Ensure that client applications pass correct values for InSelectBitmap.

NDCG0049 Invalid server attribute value: attr <attribute ID>, value <specified value>

Source Files Generating Error Message: ndcg_admin.c

Problem Description: A request specified an invalid server object attribute.

System Action: The call returns with HPSS_EINVAL.

Administrator Action: Determine the source of the request, and the cause of the invalid request.

NDCG0050 Invalid shared memory id <shared memory ID>

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: The NDCG TCP process was started with an invalid shared memory identifier.

System Action: The NDCG terminates.

Administrator Action: Internal server error. Report to HPSS support.

NDCG0051 Could not bind to address <IP address>, port <port number>

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: The NDCG server TCP/IP listen process could not create the listen port with the address specified in the NDCG server's configuration metadata.

System Action: The NDCG terminates.

Administrator Action: Determine if the configured port is already in use.

NDCG0052 hpss_SetLoginContext() failed, error <error> setting up identity as <principal> using keytab file <keytab file path>

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: The NDCG could not obtain a DCE login context with the specified principal and keytabs file.

System Action: The NDCG process for that connection terminates.

Administrator Action: Ensure that the indicated DCE principal exists and that the keytab file has an appropriate entry for it.

NDCG0053 Identity established as <principal> using keytab file <keytab file path>.

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: The NDCG obtained a DCE login context with the specified principal and keytab file.

System Action: None.

Administrator Action: None.

NDCG0054 getpeername() failed

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: The peer address of the connection could not be obtained.

System Action: The NDCG process for that connection terminates.

Administrator Action: Determine if the client dropped the connection or if the system network resources have been depleated. If not, report the problem to HPSS support.

NDCG0055 Connection accepted from <client interface name>

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: A client connection was accepted fromt the specified interface.

System Action: None.

Administrator Action: None.

NDCG0056 Maximum request processes currently active, rejecting connection

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: The NDCG is currently hosting the maximum number of non-DCE clients that it is configured to handle, and is rejecting additional clients' attempted connections.

System Action: Rejects the client connection attempt.

Administrator Action: This indicates that either the NDCG should be reconfigured to handle more concurrent clients or another NDCG should be configured to take some of the load.

NDCG0057 Child process exited with non-zero status code

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: A non-DCE client connection process has terminated with a non-zero status code or was killed by a signal.

System Action: None.

Administrator Action: Determine if the connection process was killed and report the problem to HPSS support.

NDCG0058 Error(s) receiving control message

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: There was trouble interpreting a non-DCE client request.

System Action: The NDCG terminates.

Administrator Action: Ensure that the NDCG is listening on the appropriate port. If so, report the problem to HPSS support.

NDCG0059 Invalid requested received

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: An invalid request was received from a non-DCE client.

System Action: None.

Administrator Action: Ensure that the NDCG is listening on the appropriate port. If so, report the problem to HPSS support.

NDCG0060 Issuing API: <API Description>

Source Files Generating Error Message: ndcg_apis.c, ndcg_auth.c

Problem Description: The specified request was issued to HPSS.

System Action: None.

Administrator Action: None.

NDCG0061 API returned an error

Source Files Generating Error Message: ndcg_apis.c

Problem Description: An HPSS call made by the NDCG on behalf of a non-DCE client returned an error.

System Action: Returned the error to the calling client.

Administrator Action: None.

NDCG0062 malloc() failed

Source Files Generating Error Message: ndcg_queue.c, ndcg_tcpmain.c

Problem Description: An attempt to allocate memory failed.

System Action: The current client connection is aborted, or the NDCG terminates.

Administrator Action: Determine if the error was caused by system resouce exhaustion (memory). If not, report the problem to HPSS support.

NDCG0063 Could not initialize gateway state

Source Files Generating Error Message: ndcg_parent.c

Problem Description: There was a problem initilizing shared memory and semaphores required for inter-process communication.

System Action: The NDCG terminates.

Administrator Action: Determine if the error was caused by system resource exhaustion (shared memory, semphore). If not, internal mover error - report to HPSS support.problem.

NDCG0064 Setting of process group ID (setpgid) failed

Source Files Generating Error Message: ndcg_parent.c

Problem Description: The NDCG could not set its process group id.

System Action: The NDCG terminates.

Administrator Action: Internal error. Report to HPSS support.

NDCG0065 Process creation (fork) failed

Source Files Generating Error Message: ndcg_apis.c, ndcg_parent.c, ndcg_tcpmain.c

Problem Description: An attempt to create a process failed.

System Action: The NDCG terminates.

Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space, processes). If not, report the problem to HPSS support.

NDCG0066 Program execution (exec) failed

Source Files Generating Error Message: ndcg_apis.c, ndcg_parent.c

Problem Description: An attempt to execute a new program failed.

System Action: The NDCG terminates.

Administrator Action: Verify that the NDCG executables are present and that the NDCG configuration metadata is correct.

NDCG0067 Signal send operation (kill) failed

Source Files Generating Error Message: ndcg_parent.c
Problem Description: An attempt to send a signal failed.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0068 Cleanup of child process (wait) failed

Source Files Generating Error Message: ndcg_parent.c
Problem Description: An attempt to cleanup after a terminated child process failed.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0069 Attachment of shared memory (shmat) failed

Source Files Generating Error Message: ndcg_parent.c, ndcg_tcpmain.c
Problem Description: An attempt to attach to a shared memory segment failed.
System Action: The current client connection is aborted or the NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0070 Release of shared memory (shmdt) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_parent.c
Problem Description: An attempt to detach from shared memory segment failed.
System Action: None.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0071 Shared memory control operation (shmctl) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_parent.c
Problem Description: An attempt to perform a shared memory control operation failed.
System Action: None.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0072 Shared memory allocation (shmget) failed

Source Files Generating Error Message: ndcg_parent.c
Problem Description: An attempt to allocate a shared memory segment.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0073 Semaphore control operation (semctl) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_parent.c, ndcg_sem.c
Problem Description: An attempt to perform a system semaphore operation failed.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0074 Semaphore operation (semop) failed

Source Files Generating Error Message: ndcg_sem.c
Problem Description: An attempt to perform a system semaphore operation failed.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0075 Semaphore allocation (semget) failed

Source Files Generating Error Message: ndcg_sem.c
Problem Description: An attempt to allocate a system semaphore failed.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0076 Initialization of signal set (sigemptyset) failed

Source Files Generating Error Message: ndcg_misc.c, ndcg_parent.c, ndcg_tcpmain.c
Problem Description: An attempt to clear a signal set failed.
System Action: None.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0077 Addition to signal set (sigaddset) failed

Source Files Generating Error Message: ndcg_misc.c, ndcg_parent.c, ndcg_tcpmain.c
Problem Description: An attempt to add a signal to a signal mask failed.
System Action: None.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0078 Setting of signal mask (sigprocmask) failed

Source Files Generating Error Message: ndcg_misc.c
Problem Description: An attempt to set a signal mask failed.
System Action: None.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0079 Setting of signal action (sigaction) failed

Source Files Generating Error Message: ndcg_misc.c, ndcg_parent.c, ndcg_tcpmain.c
Problem Description: An attempt to set the disposition of a signal failed.
System Action: The current client connection is aborted, or the NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0080 IgnoreSignal() failed

Source Files Generating Error Message: ndcg_parent.c, ndcg_tcpmain.c
Problem Description: An attempt to ignore a signal failed.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0081 Gateway listen process exited, status <exit status>

Source Files Generating Error Message: ndcg_parent.c
Problem Description: The NDCG TCP main process exited with the indicated status.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0082 Gateway DCE process exited, status <exit status>

Source Files Generating Error Message: ndcg_parent.c
Problem Description: The NDCG DCE process exited with the indicated status.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0083 Read from socket (read) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_tcpmain.c
Problem Description: An attempt to read from socket failed.
System Action: The current client connection is aborted.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0084 Write to socket (write) failed

Source Files Generating Error Message: ndcg_admin.c, ndcg_misc.c
Problem Description: An atempt to write to a socket failed.
System Action: The current client connection is aborted.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0085 Wait on available socket (select) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_tcpmain.c
Problem Description: An attempt to select on a socket failed.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0086 Connection accept (accept) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_tcpmain.c
Problem Description: An attempt to accept a connection on a socket failed.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0087 Socket listen (listen) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_tcpmain.c
Problem Description: An attempt to listen on a socket failed.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0088 Bind (bind) on unix domain socket <socket name> failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_tcpmain.c
Problem Description: An attempt to bind to a unix domain socket name failed.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0089 Shared memory initialization completion failed

Source Files Generating Error Message: ndcg_dcemain.c
Problem Description: The NDCG could not complete the initialization of the shared memory used to hold server state.
System Action: The NDCG terminates.
Administrator Action: Determine underlying cause of the error - report to HPSS support.

NDCG0090 Gateway terminating

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_parent.c, ndcg_tcpmain.c
Problem Description: The NDCG is terminating.
System Action: None.
Administrator Action: None.

NDCG0091 Gateway reinitializing

Source Files Generating Error Message: ndcg_admin.c
Problem Description: The NDCG is initialzing
System Action: None.
Administrator Action: None.

NDCG0092 Gateway received DCE exception, kind <exception kind>, status/addr <status>

Source Files Generating Error Message: ndcg_dcemain.c
Problem Description: A DCE exception was received.
System Action: The NDCG terminates.
Administrator Action: Using the provided information, attempt to determine the cause of the exception.

NDCG0093 Gateway received signal <signal number>

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_parent.c, ndcg_tcpmain.c
Problem Description: The indicated signal was received by the NDCG.
System Action: The NDCG will terminate upon receipt of either SIGINT or SIGTERM.
Administrator Action: Determine the source of the signal.

NDCG0094 Gateway initialized

Source Files Generating Error Message: ndcg_apis.c, ndcg_dcemain.c, ndcg_tcpmain.c
Problem Description: The NDCG has been initialized.
System Action: None.
Administrator Action: None.

NDCG0095 Request process <process ID> not found in list

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: The specified ID dosen't match any known request process.

System Action: The NDCG terminates.

Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0096 Connection has been closed

Source Files Generating Error Message: ndcg_msgprocs.c

Problem Description: The NDCG was attempting to reply to a non-DCE client, but the connection was closed.

System Action: None.

Administrator Action: Determine why the client closed the connection. If needed, report to HPSS support.

NDCG0097 No XDR procedure was specified

Source Files Generating Error Message: ndcg_msgprocs.c

Problem Description: No procedure was specified as to how to convert this message to/from network byte order.

System Action: The NDCG terminates.

Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0098 Invalid message header

Source Files Generating Error Message: ndcg_msgprocs.c

Problem Description: An invaild request header was received.

System Action: The current client connection is aborted.

Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0099 Invalid message body

Source Files Generating Error Message: ndcg_msgprocs.c

Problem Description: The message body could not be propertly converted to/from network byte order.

System Action: The current client connection is aborted.

Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0100 Garbage message header received!

Source Files Generating Error Message: ndcg_msgprocs.c

Problem Description: A message was received with a bad header.

System Action: The NDCG terminates.

Administrator Action: Ensure that the port settings for the NDCG and other servers are correct and non-conflicting. If they are, this may indicate an internal NDCG error. Report to HPSS support.

NDCG0101 hpss_LoadDefaultThreadState() failed for uid <specified UID>

Source Files Generating Error Message: ndcg_auth.c

Problem Description: The client identity could not be verified as a valid DCE UID.

System Action: An authorization error is returned to the client.

Administrator Action: Verify that the client's Unix UID matches the DCE UID. If so, report the problem to HPSS support.

NDCG0102 Too many login failures from this host

Source Files Generating Error Message: ndcg_auth.c

Problem Description: The NDCG has received too many requests with failed logins.

System Action: The NDCG terminates.

Administrator Action: Verify that the clients Unix UIDs matches the DCE UIDs. If so, report the problem to HPSS support.

NDCG0103 Caller not logged in. Rejecting request

Source Files Generating Error Message: ndcg_auth.c

Problem Description: A client attempted an operation that requires authentication without being authenticated.

System Action: An authorization error is returned to he client.

Administrator Action: Internal Non-DCE Client library error. Report the problem to HPSS support.

NDCG0104 Get expiration time (pthread_get_expiration_np) failed

Source Files Generating Error Message: ndcg_dcemain.c, ndcg_queue.c

Problem Description: A request to obtain the time at which the timer is to periodcally notify the HPSS Storage System Manager of the current state of the NDCG failed.

System Action: The NDCG terminates.

Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0105 Destroy of mutex (pthread_mutex_destroy) failed

Source Files Generating Error Message: ndcg_queue.c

Problem Description: An attempt to destroy a mutex failed.

System Action: None.

Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0106 Destroy of condition variable (pthread_cond_destroy) failed

Source Files Generating Error Message: ndcg_queue.c

Problem Description: An attempt to destroy a condition variable failed.

System Action: None.

Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0107 Can't initialize work queue

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: There was a problem initializing the client request work queue.

System Action: The NDCG terminates.

Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space). If not, internal NDCG error - report to HPSS support.

NDCG0108 Unable to enqueue incomming request

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: There was a problem putting a client request on the work queue.

System Action: The current client connection is aborted.

Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space). If not, internal NDCG error - report to HPSS support.

NDCG0109 Unable to dequeue incomming request

Source Files Generating Error Message: ?

Problem Description: There was a problem getting a client request from the work queue.

System Action: None.

Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space). If not, internal NDCG error - report to HPSS support.

NDCG0110 Can't initialize message stream

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: An attempt to initialize a newly connected message stream failed.

System Action: The NDCG terminates.

Administrator Action: Determine if error was caused by system resource exhaustion (memory, paging space). If not, internal NDCG error - report to HPSS support.

NDCG0111 Setting of socket option (setsockopt) failed

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: Attempt to set socket options failed.

System Action: The current client connection is aborted, or the NDCG terminates.

Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0112 Can't detatch thread

Source Files Generating Error Message: ndcg_tcpmain.c

Problem Description: An attempt to detach a request thread failed.

System Action: The current client connection is aborted.

Administrator Action: Internal NDCG error. Report to HPSS support.

NDCG0113 Thread clean up (hpss_ThreadCleanUp) failed

Source Files Generating Error Message: ndcg_tcpmain.c
Problem Description: The NDCG could not clean up the state for a request thread.
System Action: None.
Administrator Action: Internal NDCG error. Report the problem to HPSS support.

NDCG0115 hpss_GetConfig() failed.

Source Files Generating Error Message: ndcg_tcpmain.c
Problem Description: An attempt to get the current API configuration has failed.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report the problem to HPSS support.

NDCG0116 hpss_SetConfig() failed.

Source Files Generating Error Message: ndcg_tcpmain.c
Problem Description: An attempt to set the current API configuration has failed.
System Action: The NDCG terminates.
Administrator Action: Internal NDCG error. Report the problem to HPSS support.

NDCG0117 Some TCP Child processes did not die.

Source Files Generating Error Message: ndcg_tcpmain.c
Problem Description: An attempt to abort all TCP request processes has failed.
System Action: None.
Administrator Action: Kill the remaining TCP request processes and report the problem to HPSS support.

NDCG0118 Error: call to sigthreadmask() failed.

Source Files Generating Error Message: ndcg_tcpmain.c
Problem Description: An attempt to change the thread's signal mask has failed.
System Action: The NDCG terminates.
Administrator Action: This indicates a problem with either the OS or DCE, not HPSS.

NDCG0119 hpss_SetConfiguration() failed for uid <UID>

Source Files Generating Error Message: ndcg_auth.c
Problem Description: A call was made to set the current API configuration for the specified UID.
System Action: None.
Administrator Action: None.

NDCG0120 Dispatcher purging context and exiting

Source Files Generating Error Message: ndcg_tcpmain.c
Problem Description: The request dispatcher just purged the DCE login context and is about to exit.
System Action: None.
Administrator Action: None.

NDCG0121 Read from pipe (read) failed

Source Files Generating Error Message: ndcg_apis.c

Problem Description: An attempt to read from a pipe has failed.

System Action: The current request returns with an error.

Administrator Action: Determine if someone terminated the external request process. If not, it is an internal NDCG error. Report the problem to HPSS support.

NDCG0122 Create pipe (pipe) failed

Source Files Generating Error Message: ndcg_apis.c

Problem Description: An attempt to create a pipe has failed.

System Action: The current request returns with an error.

Administrator Action: Determine if error was caused by system resource exhaustion (file descriptors or device containing the pipe). If not, internal NDCG error - report to HPSS support.

Chapter 20

NFS Daemon Error Messages (NFS2 Series)

NFS20001 Error <error_number>

Source Files Generating Error Message: Currently not used.

Problem Description: Currently not used.

System Action: Currently not used.

Administrator Action: Currently not used in this form by the NFS Daemon; however, it can appear as a part of other messages, typically in the <reason> area. In that case there is no text for this error in the message catalog, so to determine what the real problem is, you will need to look up the error number in an include file such as hpss_errno.h.

NFS20002 Startup problem (<routine>) : <reason>

Source Files Generating Error Message: nfs2_Main.c

Problem Description: The daemon tried to call the named routine as part of the startup process. The routine failed for the indicated reason.

System Action: The daemon will not start

Administrator Action: Look in the log for other messages that explain what the problem is. For example, you may need to check that the root uid has a DCE account, that the credentials mapping database has not been corrupted, or that the data cache has not been corrupted.

NFS20003 Cannot get thread data : <reason>

Source Files Generating Error Message: nfs2_Dispatch.c, nfs2_Interface.c

Problem Description: One of the threads that handles incoming RPCs from the NFS client was unable to read thread-specific data needed to complete the request.

System Action: The incoming RPC will be dropped. If the problem recurs, the daemon will perform poorly or not at all, and users will complain.

Administrator Action: This problem should not happen normally. If it does happen, it probably indicates that the daemon is running low on resources. The problem may go away, so if the daemon is seems to be working properly, there is nothing that needs to be done. But if users complain about poor performance, the daemon should be restarted.

NFS20004 Duplicate request table is full

Source Files Generating Error Message: nfs2_Dispatch.c

Problem Description: A table that keeps track of duplicate requests is full. This problem should never occur. If it does happen, it indicates that the size of the duplicate request table was not set correctly when the daemon was built.

System Action: One incoming RPC will be dropped. If the problem recurs, the daemon will perform poorly and/or fail to access files.

Administrator Action: Report the problem to software support.

NFS20005 Cannot lock or unlock mutex : <reason>

Source Files Generating Error Message: several

Problem Description: The server needed to lock or unlock a data structure and was unable to do so. This problem should not happen, but if it does, it may indicate that the daemon has run out of resources. If the daemon is still running, the problem may go away.

System Action: In most cases the daemon will stop immediately and generate a core dump.

Administrator Action: Restart the daemon if necessary.

NFS20006 Error closing metadata file (<filename>) : <reason>

Source Files Generating Error Message: nfs2_MM.c, nfs2_Main.c

Problem Description: The daemon tried to close the named metadata file and got an error. This is not a serious problem, and it should not happen in normal circumstances.

System Action: The daemon will continue to run, but the resources used to keep track of the file won't be reclaimed.

Administrator Action: None

NFS20007 Error opening metadata file (<filename>) : <reason>

Source Files Generating Error Message: nfs2_MM.c, nfs2_Main.c

Problem Description: The daemon tried to open the named metadata file and got an error.

System Action: The daemon will not be able to read its configuration parameters, and so it will stop.

Administrator Action: Verify that name of the file is correct and that the file exists.

NFS20008 Error reading metadata : <reason>

Source Files Generating Error Message: nfs2_MM.c, nfs2_Main.c

Problem Description: The daemon could not read the named metadata file for the reason indicated. The problem should not occur, and probably indicates that there is a problem with the software that generated the configuration data.

System Action: The daemon will not be able to read its configuration parameters, and so it will stop.

Administrator Action: Report the problem to software support.

NFS20009 Unexpected problem with library routine (<routine>) : <reason>

Source Files Generating Error Message: several

Problem Description: The daemon called the named library routine and encountered an error. This problem should not occur, and probably indicates that there is a coding error or that the daemon is running out of resources.

System Action: If this problem occurs while the daemon is starting, the daemon will probably not come up. If it occurs at other times, the daemon may fail to complete a request, but will continue to operate.

Administrator Action: Restart the daemon. Report the problem to software support.

NFS20010 Insufficient memory : <reason>

Source Files Generating Error Message: several

Problem Description: The daemon tried to allocate some memory and failed for the reason indicated. This problem should not happen and probably indicates a coding error that is causing a memory leak.

System Action: If this problem occurs while the daemon is starting, the daemon will probably not come up. If it occurs at other times, the daemon may fail to complete a request, but will continue to operate.

Administrator Action: Report the problem to software support.

NFS20011 Security initialization failed : <reason>

Source Files Generating Error Message: nfs2_Main.c

Problem Description: The daemon called hsec_Init as part of its startup procedure, and the call failed for the reason indicated.

System Action: The daemon will not start

Administrator Action: Study the reason message and look in the log for other messages to determine what happened.

NFS20012 Could not build security authorization vector : <reason>

Source Files Generating Error Message: nfs2_Main.c

Problem Description: The daemon called hsec_InitAuthzVector as part of its startup procedure, and the call failed for the reason indicated.

System Action: The daemon will not start

Administrator Action: Study the reason message and look in the log for other messages to determine what happened. You may need to fix the daemon's CDS Security object.

NFS20013 Error opening or reading exports file : <reason>

Source Files Generating Error Message: nfs2_Main.c

Problem Description: The daemon tried to read the exports file and failed for the reason indicated.

System Action: The daemon will not start

Administrator Action: The exports file may not exist or may contain a syntax error; or the file protections might be set so the daemon can't read the file. Fix the problem and restart the daemon.

NFS20014 Problem initializing DCE or Encina (<routine>) : <reason>

Source Files Generating Error Message: nfs2_Main.c, nfs2_StatsNotify.c

Problem Description: The daemon called the named DCE or Encina routine and failed for the reason indicated.

System Action: If this error occurs when the daemon is started, the daemon will not start. If it occurs at other times, the daemon may fail to complete a request, but will continue to operate.

Administrator Action: This error should not normally occur and may go away if the daemon is restarted. If the daemon is having trouble registering services with the CDS, make sure the CDS directories exist and have the proper access control lists.

NFS20015 NFS2 daemon is up and running

Source Files Generating Error Message: nfs2_Main.c

Problem Description: This is not a problem. The message appears every time the NFS daemon is started. It indicates that the daemon has completed its initialization sequence.

System Action: The daemon will start processing NFS requests

Administrator Action: None

NFS20016 Starting a slow shutdown

Source Files Generating Error Message: nfs2_Main.c

Problem Description: This is not a problem. The daemon has either been told to do a graceful shutdown by the SSM, or else the daemon received the SIGINT signal and started to do a graceful shutdown.

System Action: The daemon will shutdown gracefully. In particular, the daemon will save its state so it can be restarted later, and will unregister itself so that other processes do not waste time trying to contact it.

Administrator Action: Restart the daemon when it is appropriate to do so

NFS20017 Starting a quick shutdown

Source Files Generating Error Message: nfs2_Main.c

Problem Description: The daemon is shutting down without trying to save state information. It may be that the daemon encountered a serious problem, most likely during startup. Otherwise, the daemon may have been told to shutdown by the SSM, or may have received a SIGTERM signal.

System Action: The daemon will shut down as quickly as possible, and therefore will not try to save state information or unregister itself.

Administrator Action: Restart the daemon when it is appropriate to do so

NFS20018 Error accessing credentials map file : <reason>

Source Files Generating Error Message: map_Utils.c

Problem Description: The daemon tried to open, read, or write the credentials map file and failed for the reason indicated.

System Action: The daemon will not be able to complete the requested operation.

Administrator Action: Verify that the map file exists and is protected so that the daemon can access it. Verify that the contents of the file are correct.

NFS20019 Unprivileged user tried to do a privileged operation

Source Files Generating Error Message: map_Admin.c

Problem Description: A user tried to make an illegal change to the credentials map.

System Action: The change will not be made

Administrator Action: Inspect the log for other messages to find which user tried to make the change, and what the change was. Make sure that the list of users of privileged users is correct. If the problem continues, report the problem.

NFS20020 Starting check for expired credentials

Source Files Generating Error Message: map_Utils.c

Problem Description: This is not a problem. The daemon is checking the credentials map for expired credentials.

System Action: The daemon will purge those credentials that have expired and haven't been used recently.

Administrator Action: None

NFS20021 Dumping credentials file

Source Files Generating Error Message: map_Utils.c

Problem Description: This is not a problem. The daemon is backing up the credentials in case it needs to be restarted after a crash.

System Action: The backup file will be created

Administrator Action: None

NFS20022 Syntax error reading credential map file in line: <line>

Source Files Generating Error Message: map_Utils.c

Problem Description: While the daemon was starting, it tried to read the backup credentials file and encountered a syntax error. The line that contained the error is listed in the message.

System Action: The daemon will not start

Administrator Action: If possible edit the file to fix the problem, then restart the daemon. As a last resort, delete the file and restart the daemon. Be aware that if you edit the file incorrectly or delete it unnecessarily, users will have to get new credentials before they can use NFS again.

NFS20023 Thread <n> is handling <name> request, xid = <xid>

Source Files Generating Error Message: nfs2_Dispatch.c

Problem Description: Currently not used.

System Action: Currently not used.

Administrator Action: Currently not used. This message can only be enabled from the debugger.

NFS20024 Bad authentication value (<value>)

Source Files Generating Error Message: map_Utils.c

Problem Description: A user tried to make a change to the credentials map. However, the utility he used (for example, nfsmap) didn't request a valid authentication service, so the daemon could not validate the user.

System Action: The change will not be made.

Administrator Action: Check the daemon's configuration file to see that the authentication service is correct. If it is, then a user is trying to modify the credentials map using a utility that isn't working correctly. This could be caused by a software error, or it could indicate that someone is trying to break into the system. If the problem continues, report it.

NFS20025 Bad authorization value (<value>)

Source Files Generating Error Message: map_Utils.c

Problem Description: A user tried to make a change to the credentials map. However, the utility he used (for example, nfsmap) didn't request a valid authorization service, so the daemon could not validate the user.

System Action: The change will not be made.

Administrator Action: Check the daemon's configuration file to see that the authorization service is correct. If it is, then a user is trying to modify the credentials map using a utility that isn't working correctly. This could be caused by a software error, or it could indicate that someone is trying to break into the system. If the problem continues, report it.

NFS20026 There is no credential for this user in the map

Source Files Generating Error Message: map_Utils.c

Problem Description: A user tried to access an NFS file but did not have the proper credentials.

System Action: The user will not be able to access the file.

Administrator Action: Look in the log file for other messages to identify the user. Inspect the dump of the credentials map to see if the user's credential is there. If the problem continues, report it.

NFS20027 Invalid export entry id (<string>)

Source Files Generating Error Message: Currently not used.

Problem Description: Currently not used.

System Action: Currently not used.

Administrator Action: Currently not used.

NFS20028 Invalid export entry option (<string>)

Source Files Generating Error Message: Currently not used.

Problem Description: Currently not used.

System Action: Currently not used.

Administrator Action: Currently not used.

NFS20029 Invalid export entry: <string>

Source Files Generating Error Message: Currently not used.

Problem Description: Currently not used.

System Action: Currently not used.

Administrator Action: Currently not used.

NFS20030 File handle has an invalid cryptographic checksum

Source Files Generating Error Message: nfs2_Misc.c

Problem Description: The daemon was sent a file handle that contained an invalid checksum.

System Action: The user will not be able to access files using this handle.

Administrator Action: Confirm that the NFS and mount daemons are using the same exports file, and that both daemons are encrypting file handles. If they are, then a user may be trying to break into the system by forging a file handle. Report the problem if it continues.

NFS20031 Entering routine <routine>

Source Files Generating Error Message: several

Problem Description: This is a diagnostic message that is used for debugging the daemon.

System Action: None

Administrator Action: None. if the message is annoying, it can be disabled by turning off trace messages.

NFS20032 Unexpected signal <number>

Source Files Generating Error Message: nfs2_Main.c

Problem Description: The daemon received a signal that it had not registered to receive. This should not happen and probably indicates a programming error.

System Action: The signal will be ignored.

Administrator Action: Report the problem to software support.

NFS20033 Unauthorized caller

Source Files Generating Error Message: nfs2_Main.c, mnt1_Daemon.c

Problem Description: An unauthorized server has tried to open a connection in order to perform an SSM function, for example to request the daemon's status or to shut it down.

System Action: The connection will not be established. The other server will not be able communicate with the daemon.

Administrator Action: Verify that the daemon's caller authorization list has been set up correctly. If it has and the problem continues, report the problem.

NFS20034 Dropped request

Source Files Generating Error Message: nfs2_Dispatch.c

Problem Description: The daemon has received a duplicate request for service, and is still busy processing the original request.

System Action: The second request will be ignored.

Administrator Action: This message indicates that the daemon did not complete the previous request in a reasonable amount of time, and so the client retried the request. If this doesn't happen too often, the problem can be ignored. If the HPSS is down, the message is expected and can also be ignored. Otherwise, determine why the daemon is slow and fix the problem.

NFS20035 Duplicate request handled

Source Files Generating Error Message: nfs2_Dispatch.c

Problem Description: The daemon finished processing an earlier request, but not before the client repeated the request. This is not necessarily a problem, but if it happens to often, it indicates that the daemon is too heavily loaded.

System Action: The daemon will respond with the results from the original request.

Administrator Action: If the daemon is too heavily loaded, try to find out why and fix the problem.

NFS20036 An RPC was received from an unprivileged port

Source Files Generating Error Message: nfs2_Dispatch.c

Problem Description: The daemon received an NFS request from a client that was using an unprivileged port (1024 or greater).

System Action: The request will be rejected.

Administrator Action: If your site is willing to accept requests from unprivileged clients, change the daemon's configuration parameters to allow unprivileged requests. Otherwise, report the problem.

NFS20037 Problem with routine <routine> while shutting down : <reason>

Source Files Generating Error Message: nfs2_Main.c

Problem Description: The daemon was doing a graceful shutdown and tried to call the routine indicated. The routine failed for the reason indicated. Most likely the daemon was trying to unregister services with the CDS or to purge its login context.

System Action: Part of the shutdown will have not been done properly, but the shutdown will be continued.

Administrator Action: Inspect the message to find what went wrong. Normally this message is not a cause for concern. However, if the daemon frequently fails to purge its login context, you will eventually have to clean up the credentials directory to free up disk space.

NFS20038 Trying to shut down gracefully a second time; second call ignored

Source Files Generating Error Message: nfs2_Main.c

Problem Description: The daemon has been asked to shutdown twice.

System Action: The daemon will continue to shutdown gracefully.

Administrator Action: None

NFS20039 Cannot contact SSM (<routine>) : <reason>

Source Files Generating Error Message: nfs2_Main.c, nfs2_SSMApi.c, nfs2_StatsNotify.c

Problem Description: The daemon was trying to send statistics to the SSM but couldn't contact it. The message includes the name of the routine that failed and the reason for the problem.

System Action: The daemon will periodically retry the operation. In the mean time, the SSM's statistics display will not be updated.

Administrator Action: If the SSM is not up, this message can be disregarded. If the SSM is up, look in the log for other indications of problems. Verify that the network connection to the SSM is functioning and that the SSM is not too busy to process messages.

NFS20040 No bit or wrong bit is set in fd_set

Source Files Generating Error Message: nfs2_Main.c

Problem Description: The daemon has tried to read an incoming RPC and checked to see that the data came from the right socket. The check failed.

System Action: The RPC will be ignored

Administrator Action: This probably indicates a programming error. If the problem continues, contact software support.

NFS20099 Coding error

Source Files Generating Error Message: nfs2_Main.c, nfs2_Interface.c, nfs2_Main.c, nfs2_StatsNotify.c

Problem Description: The daemon did something that should not have been possible.

System Action: Depending on the circumstances, the daemon may function in a degraded mode.

Administrator Action: This should never appear. If it does, report the problem to software support. Be sure to report the name of the routine in which the problem occurred.

NFS20200 cache entry is in use

Source Files Generating Error Message: None. Currently unused.

Problem Description:

System Action:

Administrator Action:

NFS20201 error reading cache file

Source Files Generating Error Message: None. Currently unused.

Problem Description:

System Action:

Administrator Action:

NFS20202 error from hpss (<hpss-call>)

Source Files Generating Error Message: hpss_cache_flush.c, hpss_cache_misc.c, hpss_cache_recover.c

Problem Description: An error occurred during a call to HPSS.

System Action: The error is remembered and an attempt is made to pass the error up to the NFS client. If the error involved writing data to the file, NFS will periodically try to write the data in an attempt to update the HPSS copy of the file.

Administrator Action: If the error is communication related, use SSM to make sure the appropriate servers are running (mainly the Bitfile Server and the Name Server). If the error is non-communication related, verify the file is accessible through FTP. If the error can't be resolved, delete the file with FTP and restart the NFS daemon.

NFS20203 Thread: <thread-number> did not terminate normally

Source Files Generating Error Message: hpss_cache_recover.c

Problem Description: A recovery thread terminated with an error.

System Action: The NFS daemon will terminate before initialization completes

Administrator Action: Restart the NFS daemon. If the error persists, it may be necessary to Bypass the Cache file and / or completely remove the cache and checkpoint files before starting the NFS daemon again. Any remaining unflushed information in the cache will be lost.

NFS20204 error opening file (<file-path-name>)

Source Files Generating Error Message: hpss_cache_recover.c, hpss_cachemgr_init.c

Problem Description: NFS is unable to open either the cache file or the checkpoint file during initialization

System Action: The NFS daemon will terminate before initialization completes

Administrator Action: Restart the NFS daemon. If the error persists, it may be necessary to Bypass the Cache file and / or completely remove the cache and checkpoint files before starting the NFS daemon again. Any remaining unflushed information in the cache will be lost.

NFS20205 error reading file (<file-path-name>)

Source Files Generating Error Message: hpss_cache_membuf.c, hpss_cache_recover.c

Problem Description: NFS is unable to read either the cache file or the checkpoint file

System Action: If the error occurs during recovery, the NFS daemon will terminate before initialization completes. If during normal operation, the NFS daemon will continue to operate but will log a message.

Administrator Action: Restart the NFS daemon. If the error persists, it may be necessary to Bypass the Cache file and / or completely remove the cache and checkpoint files before starting the NFS daemon again. Any remaining unflushed information in the cache will be lost.

NFS20206 error writing file (<file-path-name>)

Source Files Generating Error Message: hpss_cache_entry.c, hpss_cache_membuf.c, hpss_cachemgr_init.c

Problem Description: NFS is unable to write either the cache file or the checkpoint file

System Action: If the error occurs during recovery, the NFS daemon will terminate before initialization completes. If during normal operation, the NFS daemon will continue to operate but will log a message.

Administrator Action: Restart the NFS daemon. If the error persists, it may be necessary to Bypass the Cache file and / or completely remove the cache and checkpoint files before starting the NFS daemon again. Any remaining unflushed information in the cache will be lost.

NFS20207 error seeking file (<file-path-name>)

Source Files Generating Error Message: hpss_cache_entry.c, hpss_cache_membuf.c, hpss_cache_recover.c, hpss_cachemgr_init.c

Problem Description: NFS is unable to perform a seek operation either on the cache file or on the checkpoint file

System Action: If the error occurs during recovery, the NFS daemon will terminate before initialization completes. If during normal operation, the NFS daemon will continue to operate but will log a message.

Administrator Action: Restart the NFS daemon. If the error persists, it may be necessary to Bypass the Cache file and / or completely remove the cache and checkpoint files before starting the NFS daemon again. Any remaining unflushed information in the cache will be lost.

NFS20208 no free cache entries available

Source Files Generating Error Message: hpss_cache_entry.c

Problem Description: NFS is unable to locate a free cache entry in the cache file

System Action: If the error occurs during recovery, the NFS daemon will terminate before initialization completes. If during normal operation, the NFS daemon will continue to operate but will log a warning message. The client will be given a BUSY result so the operation will be retried.

Administrator Action: This warning usually occurs when NFS is under load. If the problem persists, try increasing the number of cache entries or cleanup threads, or reduce the cleanup thread interval.

NFS20209 no free memory buffers available

Source Files Generating Error Message: hpss_cache_membuf.c

Problem Description: NFS is unable to locate a free memory buffer to put cached data into.

System Action: If the error occurs during recovery, the NFS daemon will terminate before initialization completes. If during normal operation, the NFS daemon will continue to operate but will log a warning message. The client will be given a BUSY result so the operation will be retried.

Administrator Action: This warning usually occurs when NFS is under load. If the problem persists, try increasing the number of memory buffers or cleanup threads, or reduce the cleanup thread interval.

NFS20210 io direction is not read or write

Source Files Generating Error Message: hpss_cache_membuf.c

Problem Description: This is an internal logic error in NFS during a client IO request.

System Action: The NFS daemon will continue to run but an error will be returned to the NFS client for the IO operation.

Administrator Action: Contact HPSS Technical Support. This error should not occur.

NFS20211 read was shorter than expected (<file-path-name>)

Source Files Generating Error Message: hpss_cache_recover.c

Problem Description: The number of bytes read from the checkpoint file was less that what was expected during recovery. Because of this, the checkpoint file format is invalid.

System Action: The NFS daemon will terminate before initialization completes.

Administrator Action: Verify the checkpoint file has not been moved or altered outside of NFS. Remove the corrupt checkpoint file and restart the NFS daemon if no valid checkpoint file exists. Any remaining unflushed information in the cache will be lost.

NFS20212 write was shorter than expected (<file-path-name>)

Source Files Generating Error Message: hpss_cache_entry.c, hpss_cache_membuf.c, hpss_cache_misc.c, hpss_cachemgr_init.c

Problem Description: The number of bytes written to the checkpoint or cache file was less that what was expected.

System Action: If during startup, the NFS daemon will terminate before initialization completes. If during normal operation, the NFS daemon will continue to operate and the error will be passed on to the client.

Administrator Action: It is likely that the specified file is now corrupt. If NFS is still running, a slow shutdown of NFS should be performed to flush as much information back to HPSS as possible. Once shutdown, the cache and checkpoint files should be removed. Any remaining unflushed information in the cache will be lost. Make sure that the paths where the cache and checkpoint files reside have sufficient storage space.

NFS20213 invalid value for (<config-param-name>) default used

Source Files Generating Error Message: hpss_cachemgr_init.c

Problem Description: A data cache configuration parameter has an invalid value.

System Action: The NFS daemon will use the closest valid value and continue execution.

Administrator Action: Correct the parameter's value in the NFS configuration screen in SSM.

NFS20214 invalid data cache entry checksum (<file-name>)

Source Files Generating Error Message: hpss_cache_recover.c

Problem Description: During recovery the specified file, cache or checkpoint, has been determined to contain corrupted data.

System Action: The NFS daemon recovers as much of the information as possible and then terminates before initialization completes.

Administrator Action: Remove the cache and checkpoint files and restart NFS. Any remaining unflushed information in these files will be lost.

NFS20215 invalid checkpoint file header checksum

Source Files Generating Error Message: hpss_cache_recover.c

Problem Description: During recovery the checkpoint file is determined to be of the wrong format.

System Action: No recovery is possible. The NFS daemon terminates before initialization completes.

Administrator Action: Verify that the paths to the checkpoint and cache file's are correct in SSM. If they are, remove the cache and checkpoint files and restart NFS. Any remaining unflushed information in these files will be lost.

NFS20216 data cache recovery incomplete

Source Files Generating Error Message: hpss_cachemgr_init.c

Problem Description: The recovery of data cache entries to HPSS during NFS daemon startup is incomplete due to a previously reported fatal error.

System Action: The NFS daemon terminates before initialization completes.

Administrator Action: Follow the fatal error's Administrator Action.

NFS20217 internal logic error

Source Files Generating Error Message: hpss_cache_flush.c

Problem Description: An internal logic error has occurred. This should never happen.

System Action: The NFS daemon continues operation after reporting the error.

Administrator Action: Shutdown the NFS daemon and restart it. Contact HPSS software support and give the function and file names if possible.

NFS20218 dirty file left in cache due to error

Source Files Generating Error Message: hpss_cache_flush.c

Problem Description: During a close operation, a previous error has occurred that does not allow flushing a file back to HPSS. The file's dirty blocks remain in the data cache until the next restart of the NFS daemon.

System Action: The NFS daemon continues operation after reporting this warning.

Administrator Action: Follow the previous error's instructions. At a minimum, check to make sure other servers are operating properly and then shutdown the NFS daemon and restart it. The file should be written back to HPSS during the recovery operation at startup.

NFS20219 having trouble creating free data cache entries

Source Files Generating Error Message: hpss_cache_cleanup.c

Problem Description: The NFS daemon is having problems writing enough dirty cache entries back to HPSS.

System Action: The NFS daemon continues operation after reporting this warning.

Administrator Action: This warning normally occurs when the NFS daemon is under heavy load. In SSM, try decreasing the Dirty Threshold Percentage, decreasing the Cleanup Thread Interval, or very slightly increasing the number of Cleanup threads. Also, make sure other servers are running and communicating properly.

NFS20220 foreground syncing due to previous error

Source Files Generating Error Message: hpss_cache_misc.c

Problem Description: A previously reported error has terminated the cache and checkpoint file's synchronization thread.

System Action: The NFS daemon continues operation after reporting this warning. Synchronization of the cache and checkpoint files is now performed in the foreground, degrading performance.

Administrator Action: Follow the actions of the previous error. When convenient, shutdown and restart the NFS daemon.

NFS20325 Entering mount daemon DCE procedure

Source Files Generating Error Message: mnt1_SSMApi.c

Problem Description: Trace message reporting start of DCE interface function.

System Action: Message is logged if TRACE logging is enabled. Function continues processing.

Administrator Action: No action required.

NFS20326 Exiting mount daemon DCE procedure

Source Files Generating Error Message: mnt1_SSMApi.c
Problem Description: Trace message reporting exit of DCE interface function.
System Action: Message is logged if TRACE logging is enabled. Function returns to caller
Administrator Action: No action required.

NFS20327 Processing mount daemon ONC request: <procedure #>

Source Files Generating Error Message: mnt1_Daemon.c
Problem Description: Trace message reporting call to mount daemon ONC rpc procedure.a
System Action: Message is logged if TRACE logging is enabled.Function continues processing.
Administrator Action: No action required.

NFS20350 Invalid export entry id: <id>

Source Files Generating Error Message: Exports.c
Problem Description: The id value for an exports file entry is invalid.
System Action: Mount daemon terminates.
Administrator Action: Edit the export file to correct the id field. Restart both the mount daemon and the NFS server.

NFS20352 No key value in export entry: <export entry>

Source Files Generating Error Message: Exports.c
Problem Description: An entry in the exports file requires a key option but none was supplied.
System Action: The Mount daemon terminates.
Administrator Action: Edit the exports file to add a key option for the entry. Restart both the mount daemon and the NFS server.

NFS20353 Invalid export entry option: <option>

Source Files Generating Error Message: Exports.c
Problem Description: An invalid option was detected in an exports file entry
System Action: Mount daemon terminates.
Administrator Action: Edit the exports file to correct the entry. Restart both the mount daemon and the NFS server.

NFS20355 Unknown host address: <xx.xx.xx.xx>

Source Files Generating Error Message: Exports.c
Problem Description: An unknown host specifier was given in an exports file entry.
System Action: Mount daemon terminates.
Administrator Action: Edit the exports file to correct the host specifier. If the host specifier is correct, verify that the host is known to your system through /etc./hosts or dns. Restart both the mount daemon and the NFS server.

NFS20356 Error reading exports file <exports path name>

Source Files Generating Error Message: mnt1_Daemon.c, mnt1_Svc.c

Problem Description: Mount daemon detected an error reading the exports file.

System Action: Mount daemon terminates.

Administrator Action: Check the HPSS log for error messages relating to the exports file. Take action recommended for those errors.

NFS20357 Error writing mountlist file

Source Files Generating Error Message: mnt1_Daemon.c

Problem Description: Mount daemon was unable to update the mountlist file

System Action: Mount daemon terminates.

Administrator Action: Verify that Mount daemon's Unix id can write to the rmtab file contained in the same UNIX directory as the exports file.

NFS20358 Error reading mountd config record from serverconfig

Source Files Generating Error Message: mnt1_MM.c, mnt1_ServerInit.c

Problem Description: Mount daemon could not read the generic HPSS SFS server configuration file.

System Action: Mount daemon terminates.

Administrator Action: Verify that the mount daemon principal can read the generic HPSS SFS file. Also verify that the mount daemon has been configured in that SFS file.

NFS20359 Error opening mountd specific config

Source Files Generating Error Message: mnt1_MM.c, mnt1_ServerInit.c

Problem Description: Mount daemon could not open the mount daemon configuration SFS file.

System Action: Mount daemon terminates.

Administrator Action: Verify that the mount daemon has been configured and that the server config SFS file exists and is accessible by the mount daemon's DCE principal.

NFS20360 Error reading mount daemon specific config

Source Files Generating Error Message: mnt1_MM.c

Problem Description: Error occurred when attempting to read the mount daemon configuration SFS file.

System Action: Mount daemon terminates

Administrator Action: Verify that the mount daemon has been configured and that the server config SFS file exists and is accessible by the mount daemon's DCE principal.

NFS20361 Error closing mount daemon specific config

Source Files Generating Error Message: mnt1_MM.c, mnt1_ServerInit.c

Problem Description: Error occurred attempting to close the mount daemon SFS configuration file.

System Action: Processing continues.

Administrator Action: Review SFS logs for errors and take appropriate action.

NFS20362 Error calling sigemptyset

Source Files Generating Error Message: mnt1_Misc.c, mnt1_ServerInit.c
Problem Description: Error returned from sigemptyset system call.
System Action: Mount daemon terminates.
Administrator Action: Contact software support.

NFS20363 Error calling sigaddset

Source Files Generating Error Message: mnt1_Misc.c, mnt1_ServerInit.c
Problem Description: Error returned from sigaddset system call.
System Action: Mount daemon terminates.
Administrator Action: Contact software support.

NFS20366 Error locking server managed object

Source Files Generating Error Message: mnt1_SSMApi.c
Problem Description: Error occurred attempting to lock mutex for mount daemon managed object on call to ServerGetAttrs.
System Action: Error message is logged and error is returned to client. Processing continues.
Administrator Action: Contact software support.

NFS20367 Error locking server managed object

Source Files Generating Error Message: mnt1_SSMApi.c
Problem Description: Error occurred attempting to lock mutex for mount daemon managed object on call to ServerSetAttrs.
System Action: Error message is logged and error is returned to client. Processing continues.
Administrator Action: Contact software support.

NFS20368 Error creating mount daemon thread

Source Files Generating Error Message: mnt1_ServerInit.c
Problem Description: Error returned from pthread_create call.
System Action: Mount daemon terminates.
Administrator Action: Contact software support.

NFS20369 Error preregistering mount daemon SSM interface

Source Files Generating Error Message: mnt1_ServerInit.c
Problem Description: Error occurred attempting to preregister the mount daemon SSM interface.
System Action: Mount daemon terminates.
Administrator Action:Make sure the mount daemon CDS directories exist and have the proper access control lists.

NFS20370 Error reading mount daemon configuration record

Source Files Generating Error Message: mnt1_ServerInit.c

Problem Description: Error occurred when attempting to read the mount daemon configuration SFS file.

System Action: Mount daemon terminates

Administrator Action: Verify that the mount daemon has been configured and that the server config SFS file exists and is accessible by the mount daemon's DCE principal.

NFS20371 Error initializing dce security

Source Files Generating Error Message: mnt1_ServerInit.c

Problem Description: Error occurred initializing mount daemon DCE security context.

System Action: Mount daemon terminates.

Administrator Action: Review HPSS log for previous messages from the HSEC subsystem for the Mount daemon and take appropriate action.

NFS20372 Error getting hpss root credentials

Source Files Generating Error Message:

Problem Description: Error occurred retrieving HPSS root credentials from DCE security server.

System Action: Error code is contained in log message and mount daemon terminates.

Administrator Action: Review HPSS log for HSEC security message and take action based on message.

NFS20373 Error initializing authorization vector

Source Files Generating Error Message: mnt1_ServerInit.c

Problem Description: The mount daemon called hsec_InitAuthzVector as part of its startup procedure, and the call failed for the reason indicated.

System Action: The daemon will not start

Administrator Action: Study the reason message and look in the log for other messages to determine what happened. You may need to fix the daemon's CDS Security object.

NFS20376 Error initializing mutex

Source Files Generating Error Message: mnt1_ServerInit.c

Problem Description: Error occurred initializing the lock for the mount daemon's server managed object.

System Action: Mount daemon terminates

Administrator Action: Contact software support.

NFS20377 Error initializing conditioned variable

Source Files Generating Error Message: mnt1_ServerInit.c

Problem Description: Error occurred initializing the conditioned variable for the mount daemon's server managed object.

System Action: Mount daemon terminates.

Administrator Action: Contact software support.

NFS20378 Error initializing connection manager

Source Files Generating Error Message: mnt1_ServerInit.c
Problem Description: Error occurred in attempting to initialize connection management subsystem.
System Action: Mount daemon logs error and reason text then terminates.
Administrator Action: Review log for error and reason and take appropriate action.

NFS20379 Error registering mount daemon SSM interface

Source Files Generating Error Message: mnt1_ServerInit.c
Problem Description: An error occurred attempting to register the mount daemon SSM interface.
System Action: Mount daemon logs error and reason text, then terminates.
Administrator Action: Review log for error and reason and take appropriate action.

NFS20380 Mount daemon dce initialized

Source Files Generating Error Message: mnt1_ServerInit.c
Problem Description: Informational message indicating the mount daemon is ready to process requests.
System Action: Normal processing continues.
Administrator Action: No action required.

NFS20381 Error starting server listen

Source Files Generating Error Message: mnt1_ServerInit.c
Problem Description: Error return from transactional server listen.
System Action: Mount daemon terminates.
Administrator Action: Determine if DCE and encina infrastructure is operating normally. If it is, contact software support.

NFS20382 Error initializing SSM RPC handle

Source Files Generating Error Message: mnt1_ServerInit.c
Problem Description: Error occurred initializing a handle for the SSM Notify interface.
System Action: Mount daemon terminates.
Administrator Action: Contact software support.

NFS20383 Error waiting on conditioned variable

Source Files Generating Error Message: mnt1_ServerInit.c
Problem Description: Error occurred waiting on conditioned variable for SSM interface.
System Action: Mount daemon terminates.
Administrator Action: Contact software support.

NFS20384 Error freeing SSM connection handle

Source Files Generating Error Message: mnt1_ServerInit.c
Problem Description: Error occurred releasing the binding handle for the SSM Notify interface.
System Action: Message is logged if DEBUG logging is enabled. Processing continues.
Administrator Action: Contact software support.

NFS20385 Mount daemon terminating

Source Files Generating Error Message: mnt1_ServerInit.c

Problem Description: Notification message indicating that the mount daemon is terminating.

System Action: Mount daemon logs message, sets operational and execution states to TERMINATING and BROKEN, respectively, notifies SSM, cleans up ONC and DCE endpoint maps, and exits. A core dump is generated if termination is due to an error.

Administrator Action: Check log for other errors and take appropriate action.

NFS20386 Error notifying SSM

Source Files Generating Error Message: mnt1_ServerInit.c

Problem Description: An error occurred attempting to notify SSM of change in Server managed object.

System Action: Processing continues.

Administrator Action: No action required.

NFS20387 Error unregistering mount daemon interface

Source Files Generating Error Message: mnt1_ServerInit.c

Problem Description: Error occurred attempting to unregister the mount daemon's DCR RPC interfaces.

System Action: Error message is logged and process shutdown continues.

Administrator Action: Check and remove mount daemon endpoint mappings.

NFS20388 Mountd received signal <signal #>

Source Files Generating Error Message: mnt1_ServerInit.c

Problem Description: Mount daemon received a signal.

System Action: If the signal is SIGTERM or SIGINT, the mount daemon is terminated. Otherwise the signal is ignored.

Administrator Action: No action required.

NFS20389 Error locking mutex

Source Files Generating Error Message: mnt1_ServerInit.c

Problem Description: An error occurred locking the Mount daemon Server managed object mutex.

System Action: Mount daemon terminates.

Administrator Action: Contact software support.

NFS20390 Error unlocking mutex

Source Files Generating Error Message: mnt1_ServerInit.c

Problem Description: An error occurred unlocking the Mount daemon Server managed object mutex.

System Action: Mount daemon terminates.

Administrator Action: Contact software support.

NFS20392 Select got errno=<error #>

Source Files Generating Error Message: mnt1_Svc.c
Problem Description: Mount daemon svc_run function received EBADF error on select system call.
System Action: Mount daemon terminates.
Administrator Action: Contact software support.

NFS20393 Cannot create udp service

Source Files Generating Error Message: mnt1_Svc.c
Problem Description: Mount daemon could not create ONC RPC udp service.
System Action: Mount daemon terminates.
Administrator Action: Contact software support.

NFS20394 Unable to register (MOUNTPROG, MOUNTVERS, udp)

Source Files Generating Error Message: mnt1_Svc.c
Problem Description: Mount daemon could not register ONC RPC service with portmapper.
System Action: Mount daemon terminates.
Administrator Action: Check for portmapper or another mount daemon running.

NFS20395 Cannot create tcp service

Source Files Generating Error Message: mnt1_Svc.c
Problem Description: Mount daemon could not create ONC RPC tcp service.
System Action: Mount daemon terminates.
Administrator Action: Contact software support.

NFS20396 Unable to set non-blocking socket: %d

Source Files Generating Error Message: mnt1_Svc.c
Problem Description: Error returned from fcntl system call to change socket to non-blocking.
System Action: Mount daemon terminates.
Administrator Action: Verify that the system is configured to allow non-blocking sockets and restart mount daemon. If still fails, contact software support.

NFS20397 Svc_run returned

Source Files Generating Error Message: mnt1_Svc.c
Problem Description: Mount daemon returned from svc_run call.
System Action: Mount daemon terminates.
Administrator Action: Review log for related messages and take recommended action.

NFS20398 Error in sigwait

Source Files Generating Error Message: mnt1_ServerInit.c
Problem Description: Error returned from sigwait system call.
System Action: Processing continues.
Administrator Action: No action required.

NFS20399 Network <network address> not in /etc/network file

Source Files Generating Error Message: Exports.c

Problem Description: An unknown network specifier was given in an exports file entry.

System Action: Mount daemon terminates.

Administrator Action: Edit the exports file to correct the network specifier. If the network specifier is correct, verify that the network is known to your system through /etc/networks file. Restart both the mount daemon and the NFS server.

NFS20400 Host <host address> not defined

Source Files Generating Error Message: Exports.c

Problem Description: An unknown host specifier was given in an exports file entry.

System Action: Mount daemon terminates.

Administrator Action: Edit the exports file to correct the host specifier. If the host specifier is correct, verify that the host is know to your system through the /etc/hosts file or dns. Restart both the mount daemon and the NFS server.

NFS20401 Cannot open connection to SSM

Source Files Generating Error Message: mnt1_ServerInit.c

Problem Description: Error occurred attempting to connect to the SSM.

System Action: Message is logged and processing continues.

Administrator Action: No action necessary.

Chapter 21

NFS Header Error Messages (NFSH Series)

NFSH0102 Data Cache Flush operation: BitFile: ID: <soid> Type: <file-type> SecurityLevel: <0>

Source Files Generating Error Message: hdr.c, hpss_vnode.c

Problem Description: An error occurred flushing data to HPSS or a read/write operation was requested on a bitfile being flushed to HPSS.

System Action: If error occurs in hpss_vnode.c (hpss_vnode_rdwr), NFS I/O requests to the bitfile being flushed will be dropped for retry later. If the error occurs in hdr.c (hdr_garbage_collection), the NFS data cache manager received an error. The data being flushed will remain in the data cache and be flushed at a later time.

Administrator Action: Check for HPSS Name Server and Bitfile Server connected and enabled. Restart Name Server and/or Bitfile Server if needed.

NFSH0103 Gnode: Type: <file-type> Flags: <gnode flags> Rcnt: <# readers> Wcnt: <# writers> VnodeLst: <address> GnodePriv: <address>

Source Files Generating Error Message: hdr.c

Problem Description: An invalid attribute cache gnode object was detected.

System Action: Contents of gnode object fields are written to HPSS log.

Administrator Action: Report the problem to software support. Shutdown and restart the NFS server.

NFSH0104 Vnode: Flags: <flags> Count: <ref. count> Vfs: <address> Gnode: <address> Next: <address> VnodePriv: <address>

Source Files Generating Error Message: hdr.c, hpss_vnode.c

Problem Description: An invalid attribute cache vnode object was detected.

System Action: Contents of vnode object fields are written to HPSS log.

Administrator Action: Report the problem to software support. Shutdown and restart the NFS server.

NFSH0108 Invalid parameter: <parameter name>

Source Files Generating Error Message: hdr.c, hpss_vnode.c

Problem Description: An invalid parameter was received by the NFS attribute cache manager.

System Action: The name of the invalid parameter is written to the HPSS log and EINVAL is returned to the caller. Any related NFS request will be rejected.

Administrator Action: Report the problem to software support. Shutdown and restart the NFS server.

NFSH0109 Header cache not initialized

Source Files Generating Error Message: hdr.c, hpss_vnode.c

Problem Description: An NFS or SSM request was received before attribute cache is initialized.

System Action: Error return to caller.

Administrator Action: Retry SSM or user request.

NFSH0110 Lock error: <error code>

Source Files Generating Error Message: hdr.c, hpss_vnode.c

Problem Description: Lock operation failed.

System Action: Errno code is included in log message.

Administrator Action: Report the problem to software support. Shutdown and restart the NFS server.

NFSH0111 Unlock error: <error code>

Source Files Generating Error Message: hdr.c, hpss_vnode.c

Problem Description: Unlock operation failed.

System Action: Errno code is included in log message.

Administrator Action: Report the problem to software support. Shutdown and restart the NFS server.

NFSH0112 Error allocating memory

Source Files Generating Error Message: hdr.c, hpss_vnode.c

Problem Description: Unable to allocate memory for attribute cache structure.

System Action: Message is sent to HPSS log and ENOMEM error is returned to caller.

Administrator Action: Check memory usage of NFS server. Report problem to software support.

NFSH0113 Error initializing lock: <error code>

Source Files Generating Error Message: hdr.c

Problem Description: Unable to initialize attribute cache lock. Errno code is logged and header initialization error returned to caller.

System Action: Errno code is logged and header initialization error returned to caller.

Administrator Action: Report problem to software support.

NFSH0114 Error getting HPSS credentials for: <uid>

Source Files Generating Error Message: hdr.c

Problem Description: Error occurred retrieving HPSS root credentials from DCE security server.

System Action: Error code is contained in log message and returned to caller.

Administrator Action: Review HPSS log for HSEC security message and take action based on message.

NFSH0115 Not a directory gnode

Source Files Generating Error Message: hpss_vnode.c

Problem Description: Non-directory gnode object passed to attribute cache manager as directory object.

System Action: Error logged and returned to caller.

Administrator Action: Report problem to software support. Shutdown and restart the NFS server.

NFSH0116 Error creating garbage collection thread

Source Files Generating Error Message: hpss_vnode.c

Problem Description: Attribute cache manager received an error when attempting to create garbage collection DCE thread.

System Action: Errno code is written to HPSS log. Processing continues.

Administrator Action: Refer to man page for pthread_create.

NFSH0117 Gnode is a directory

Source Files Generating Error Message: hpss_vnode.c

Problem Description: Caller is attempting to remove a directory object using a bitfile object remove function.

System Action: Message is logged and error is returned to caller.

Administrator Action: Report problem to software support.

NFSH0118 Directory is also parent directory

Source Files Generating Error Message: hpss_vnode.c

Problem Description: On a rmdir operation, the parent directory object is the same as the directory being removed.

System Action: Message is logged and error returned to caller.

Administrator Action: Report problem to software support.

NFSH0119 Error from <string>

Source Files Generating Error Message: hdr.c, hpss_vnode.c

Problem Description: When message occurs in hdr.c functions, indicates a problem with attribute cache. When message occurs in hpss_vnode.c functions, reports error returned from HPSS client API.

System Action: Error message is placed in HPSS log. When error occurs in hpss_vnode.c functions, error is returned to caller.

Administrator Action: If error occurs in hdr.c function, report error to software support. If error occurs in hpss_vnode.c function, refer to client api errors for action.

NFSH0121 Entering function

Source Files Generating Error Message: hdr.c

Problem Description: Event message, no problem.

System Action: Attribute cache manager releasing object memory.

Administrator Action: No action required.

NFSH0122 Exiting function

Source Files Generating Error Message: hdr.c
Problem Description: Event message, no problem.
System Action: Attribute cache manager garbage collection complete.
Administrator Action: NO action required.

Chapter 22

Name Server Error Messages (NSRV Series)

NSRV0001 **>>>> CNS Initialization has completed! <<<<**

Source Files Generating Error Message: cns_Main.c
Problem Description: none
System Action: None
Administrator Action: None

NSRV0002 **Error %d initializing the client authorization vector**

Source Files Generating Error Message: cns_Main.c
Problem Description: Name server had problems making the client authorization vector.
System Action: Name Server halts
Administrator Action: Check the Name Server's Security object in the CDS.

NSRV0003 **Size of DMHandle in ns_ObjectBlock_t and ns_Attrs_t are different in %s**

Source Files Generating Error Message: cns_VerifyStructs.c
Problem Description: The size of the DMHandle field in an ns_ObjectBlock_t struture and in an ns_Attrs_t structure must be the same. Apparently they are not.
System Action: The Name Server halts.
Administrator Action: Make sure the Name Server was compiled using the correnct include files. Restart the Name Server.

NSRV0004 **A bad object type (%d) was passed to UpdateObjStats**

Source Files Generating Error Message: cns_StatsPackage.c
Problem Description: The Name Server is setting up to update one of its object counts, but the type of the object could not be determined.
System Action: Name Server halts
Administrator Action: Restart Name Server.

NSRV0005 **Error %d returned by pthread_get_expiration_np in %s**

Source Files Generating Error Message: cns_FreeListPackage.c, cns_StatsPackage.c
Problem Description: Failed to get future time for thread to wake-up.
System Action: Name Server halts
Administrator Action: Check status of DCE. Restart Name Server.

NSRV0006 The malloc call to get the UserCredPtr failed

Source Files Generating Error Message: cns_ConnectPackage.c
Problem Description: Malloc failed. Possibly low on memory.
System Action: Name Server halts
Administrator Action: Restart Name Server.

NSRV0007 An attempt to get the user credentials failed with error %d

Source Files Generating Error Message: cns_ConnectPackage.c
Problem Description: There was a problem getting the end user's credentials.
System Action: Name Server continues
Administrator Action: None

NSRV0008 Received an unexpected error %d from hsec_CallerAuthorized

Source Files Generating Error Message: cns_ConnectPackage.c
Problem Description: Security layer returned an error from authorization check.
System Action: Name Server continues
Administrator Action: None

NSRV0009 Error opening specific config file in AssignInitStatsValues: %d %s

Source Files Generating Error Message: cns_StatsPackage.c
Problem Description: While attempting to initialize the statistics, the specific configuration file could not be opened.
System Action: Name Server halts
Administrator Action: Check status of SFS. Make sure the Name Server's specific configuration file exists. Restart the Name Server.

NSRV0010 An unauthorized user attempted to modify the NS specific config data

Source Files Generating Error Message: cns_APIs.c
Problem Description: An unauthorized user tried to modify the Name Server's in-memory specific configuration meta data.
System Action: Name Server continues
Administrator Action: None

NSRV0011 Error %d converting the ConnectH to a ConnectionContext

Source Files Generating Error Message: cns_SelectUserCreds.c
Problem Description: The client's connection handle could not be converted to a connection context by hpss_EnterConnection.
System Action: Name Server continues
Administrator Action: None

NSRV0012 There was no connection data in the ConnectionContext

Source Files Generating Error Message: cns_SelectUserCreds.c
Problem Description: hpss_EnterConnection did not return the expected data.
System Action: Name Server continues
Administrator Action: None

NSRV0013 Error %d was returned by NSCreate during an %s attempt in %s

Source Files Generating Error Message: cns_APIs.c
Problem Description: An error occurred while trying to create a Name Server object.
System Action: Name Server continues
Administrator Action: None

NSRV0014 ShutDown: tx_close %s successfully

Source Files Generating Error Message: cns_ShutDown.c
Problem Description: The Name Server is shutting down and this is an informative message. If the message ends with "terminated successfully" then the Name Server is shutting down gracefully. If the message ends with "did NOT terminate successfully" then the Name Server is having trouble with the TX routines.
System Action: The Name Server will continue to shut down.
Administrator Action: Insure that Encina is running properly. Restart the Name Server if appropriate

NSRV0015 Listening error: %s

Source Files Generating Error Message: cns_Main.c
Problem Description: An error occurred while listening for a client request.
System Action: Name Server halts
Administrator Action: Check status of DCE. Restart Name Server.

NSRV0016 Error %d '%s' from hpss_InitServer during initialization

Source Files Generating Error Message: cns_Main.c
Problem Description: The specified error occurred when hpss_InitServer was called.
System Action: Name Server halts
Administrator Action: Check status of DCE. Restart Name Server.

NSRV0017 Attempt made to change to illegal fileset Type %d in fileset %s in %s

Source Files Generating Error Message: cns_AttrPackage.c
Problem Description: An attempt was made to change the fileset Type of the indicated fileset to an illegal type. Can't do that.
System Action: The error is logged and the Name Server continues.
Administrator Action: None

NSRV0018 Error %d from hpss_PreInitConnections during initialization: %s

Source Files Generating Error Message: cns_Main.c
Problem Description: An error was returned by hpss_PreInitConnections during initialization.
System Action: Name Server halts
Administrator Action: Check status of DCE. Restart Name Server.

NSRV0019 Error %d from hsec_Init during initialization

Source Files Generating Error Message: cns_Main.c
Problem Description: The specified error occurred initializing the security layer.
System Action: Name Server halts
Administrator Action: Check security policies. Restart Name Server.

NSRV0020 Error %d from hpss_InitConnections during initialization: %s

Source Files Generating Error Message: cns_Main.c
Problem Description: During initialization an error was returned from hpss_InitConnections.
System Action: Name Server halts
Administrator Action: Depending on the specific error, check DCE. Restart Name Server.

NSRV0021 Error %d from hpss_RegisterService during initialization: %s

Source Files Generating Error Message: cns_Main.c
Problem Description: During initialization an error was returned from hpss_RegisterService.
System Action: Name Server halts.
Administrator Action: Check DCE. Restart Name Server.

NSRV0022 serv_NotifyDeadConnect: A connection dropped dead?

Source Files Generating Error Message: cns_ConnectPackage.c
Problem Description: The Name Server was notified that its connection to a client has been dropped. This is an informative message.
System Action: Name Server continues.
Administrator Action: None.

NSRV0023 Error %d from hpss_UnregisterService unregistering NS interface

Source Files Generating Error Message: cns_ShutDown.c
Problem Description: While trying to shut down, the Name Server got an error from hpss_UnregisterService.
System Action: The Name Server continues to shut down.
Administrator Action: None

NSRV0024 CRASH was called from file %s at line number %d

Source Files Generating Error Message: cns_APIs.c, cns_Auth.c, cns_BFSPackage.c, cns_BitVector.c, cns_BlockIOPackage.c, cns_ConnectPackage.c, cns_DeleteACL.c, cns_DotPackage.c, cns_FileSetPackage.c, cns_FreeListPackage.c, cns_GetFileAttrs.c, cns_GetPermBits.c, cns_Main.c, cns_OFDManager.c, cns_ReadConfig.c, cns_SSMPackage.c, cns_SetACL.c, cns_SetServerState.c, cns_StatsPackage.c, cns_TXPacksage.c, cns_TransferPerms.c, cns_TraversePath.c, cns_Upadte.c, cns_UpdateACL.c

Problem Description: The Name Server has encountered an unrecoverable error and is shutting down.

System Action: Name Server halts.

Administrator Action: Examine the error message(s) and take corrective action. Restart the Name Server.

NSRV0025 Error %d from hpss_InitOfdMgr called from InitializeServer

Source Files Generating Error Message: cns_Main.c

Problem Description: During initialization the Name Server received an error from hpss_InitOfdMgr.

System Action: Name Server halts.

Administrator Action: Insure that SFS is running properly and then restart the Name Server.

NSRV0026 Error %d from hpss_GetOfd while getting an OFD for BFS's SFS file

Source Files Generating Error Message: cns_GetFileAttrs.c

Problem Description: The Name Server attempted to get an OFD from the OFD pool manager and received an error. The name of the Bitfile Server's file may not be correctly configured.

System Action: The Name Server returns an error and continues.

Administrator Action: Insure that SFS is operating properly.

NSRV0027 A NULL PathName was passed to TraversePath

Source Files Generating Error Message: cns_TraversePath.c

Problem Description: This is a consistency check. TraversePath should never be called with a NULL PathName.

System Action: The Name Server halts.

Administrator Action: Save the log file for someone to examine. Restart the Name Server.

NSRV0028 Length of SymLinkData was < 1 or SymLinkData was NULL in %s

Source Files Generating Error Message: cns_Create.c

Problem Description: The client attempted to create a symbolic link entry, but did not supply any symbolic link data.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0029 Error %d from hpss_FreeOfd freeing %s file OFD in %s

Source Files Generating Error Message: cns_APIs.c, cns_BFSPackage.c, cns_GetFileAttrs.c, cns_OFDManager.c, cns_ReadConfig.c, cns_StatsPackage.c

Problem Description: The Name Server attempted to free an OFD and received an error from hpss_FreeOfd.

System Action: The Name Server halts.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0030 Entering procedure %s request from UID %d for Directory %d

Source Files Generating Error Message: cns_APIs.c

Problem Description: This is a trace message indicating entry into the ns_ReadDir API.

System Action: None

Administrator Action: None

NSRV0031 Only %d groups are allowed, but there are %d in MakeCredentials

Source Files Generating Error Message: cns_MakeCredentials.c

Problem Description: The credentials that were passed to the Name Server contained more than the allowed number of groups.

System Action: The Name Server logs the infraction and continues.

Administrator Action: Determine why this client belongs to so many groups.

NSRV0032 Error %d from MakeCredentials while mapping the credentials in %s.

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server could not convert the HPSS credentials into the format used internally.

System Action: The Name Server continues.

Administrator Action: None.

NSRV0033 Bit must be either 0 or 1 but was instead: %d in SetBit

Source Files Generating Error Message: cns_BitVector.c

Problem Description: SetBit was called to set a bit in a bit vector, however the bit value was not "0" or "1".

System Action: The Name Server halts.

Administrator Action: Restart the Name Server.

NSRV0034 Error %d was returned by hsec_GenAuthzTkt in MakeTicket

Source Files Generating Error Message: cns_TicketPackage.c

Problem Description: The Name Server was attempting to construct an access ticket and received an error from hsec_GenAuthzTkt.

System Action: The error is logged and the Name Server continues.

Administrator Action: Ensure that DCE is functioning properly.

NSRV0035 Error %d returned by hsec_AuthzToString in MakeTicket

Source Files Generating Error Message: cns_TicketPackage.c

Problem Description: The Name Server was attempting to construct an access ticket and received an error from hsec_AuthzToString.

System Action: The error is logged and the Name Server continues.

Administrator Action: Ensure that DCE is functioning properly.

NSRV0036 Error %d, Status %d from hpss_Seal in MakeTicket. BFS may be down.

Source Files Generating Error Message: cns_TicketPackage.c

Problem Description: The Name Server was attempting to construct an access ticket and received an error from either hpss_Seal or hpss_Unseal.

System Action: The error is logged and the Name Server continues.

Administrator Action: Ensure that the Bitfile Server is running.

NSRV0037 Error %d was returned by NSFind while attempting to do an ns_GetAttrs

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server called NSFind to complete an ns_GetAttrs request, but received an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0038 Error %d was returned by %s during a delete attempt

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server attempted to perform a delete for a client, but received an error from NSDelete.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0039 Exiting procedure %s. EndOfDir = %d

Source Files Generating Error Message: cns_APIs.c

Problem Description: This is the Name Server's normal exit message when exiting ns_ReadDir.

System Action: None.

Administrator Action: None.

NSRV0040 Couldn't get an object handle to the DotDot directory: %d

Source Files Generating Error Message: cns_DotPackage.c

Problem Description: While attempting to build an object handle to the parent directory, the Name ServerName Server received an error from NSFind.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0041 Error %d (%s) returned from hpss_FindService in ReconnectBFS

Source Files Generating Error Message: cns_BFSPackage.c

Problem Description: While trying to reconnect to the Bitfile server the Name Server received an error from hpss_FindService.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that DCE is functioning properly and that the Bitfile server is up.

NSRV0042 Error %d (%s) returned from hpss_OpenConnection when connecting to BFS

Source Files Generating Error Message: cns_BFSPackage.c

Problem Description: The Name Server was attempting to reconnect to the Bitfile Server, but received an error from hpss_OpenConnection.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that DCE is functioning properly and that the Bitfile server is up .

NSRV0043 Error %d from NSFind while getting attributes for the %s directory

Source Files Generating Error Message: cns_APIs.c

Problem Description: The client has requested that attributes be returned with the list of directory entries. While gathering these attributes for the “dot” or “dot dot” directories the Name Server received an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0044 Error %d returned while trying to read a directory in %s

Source Files Generating Error Message: cns_APIs.c, cns_DotPackage.c

Problem Description: The Name Server was attempting to read the entries from a directory, but received an error from NSReadDir.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0045 Error %d from NSUpdate while setting attributes in ns_SetAttrs

Source Files Generating Error Message: cns_APIs.c

Problem Description: The client request to set attributes failed when NSUpdate returned an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0046 Error %d from NSLink while attempting to make a link in ns_MkLink

Source Files Generating Error Message: cns_APIs.c

Problem Description: The client request to create a hard link failed when NSLink returned an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0047 Error %d from NSCreate while making a symbolic link in ns_MkSymLink

Source Files Generating Error Message: cns_APIs.c

Problem Description: The client request to create a symbolic link entry failed when NSCreate returned an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0048 Error %d from hpss_CloseConnection closing conn to %s in %s.

Source Files Generating Error Message: cns_BFSPackage.c, cns_ShutDown.c

Problem Description: While attempting to close its connection to the Bitfile Server or while attempting to shut down, the Name Server received an error.

System Action: If the error message is generated by cns_BFSPackage.c, the Name Server continues. However, if the error is generated by cns_ShutDown.c, the Name Server will continue to shut down.

Administrator Action: Restart the Name Server if necessary.

NSRV0049 Error %d from NSFind trying to read symbolic link in ns_ReadLink

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server received an error from NSFind while trying to read the requested symbolic link data.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0050 Error %d from NSRename trying to change an object name in ns_Rename

Source Files Generating Error Message: cns_APIs.c

Problem Description: While trying to perform the requested rename, the Name Server received an error from NSRename.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0051 Error %d from NSDeleteACL deleting an ACL entry in ns_DeleteACL

Source Files Generating Error Message: cns_APIs.c

Problem Description: While attempting to delete an ACL entry an error was received from NSDeleteACL.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0052 Error %d from NSGetACL while attempting to get ACLs in ns_GetACL

Source Files Generating Error Message: cns_APIs.c

Problem Description: While attempting to get an ACL an error was received from NSGetACL.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0053 Error %d from NSSetACL attempting to set the ACLs in ns_SetACL

Source Files Generating Error Message: cns_APIs.c

Problem Description: While attempting to set an ACL an error was received from NSSetACL.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0054 Error %d from NSUpdateACL updating an ACL list in ns_UpdateACL

Source Files Generating Error Message: cns_APIs.c

Problem Description: While attempting to update an ACL list an error was received from NSUpdateACLSetUp.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0055 Sanity check failed getting perms for bad object type %d in GetPermBits

Source Files Generating Error Message: cns_GetPermBits.c

Problem Description: The GetPermBits function returns permission bits for either files or directories. No other type is allowed.

System Action: The Name Server halts.

Administrator Action: Restart the Name Server.

NSRV0056 Sanity check failed getting perms for bad user type %d in GetPermBits

Source Files Generating Error Message: cns_GetPermBits.c

Problem Description: GetPermBits will return permissions for User, Group, or Other. No other types of permissions are possible.

System Action: The Name Server halts.

Administrator Action: Restart the Name Server.

NSRV0057 SSM request to lock state or reinit not supported in ns_ServerSetAttrs

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server was requested to perform a function it does not support.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0058 Error %d while initializing mutex %s in %s

Source Files Generating Error Message: cns_BFSPackage.c, cns_FreeListPackage.c, cns_Main.c, cns_SSMPackage.c, cns_StatsPackage.c

Problem Description: The Name Server attempted to initialize a mutex with a call to pthread_mutex_init but the call failed.

System Action: The Name Server halts.

Administrator Action: Insure the DCE is functioning properly and then restart the Name Server.

NSRV0059 Invalid object type (%d) in SelectSFSFile

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: An invalid object type was passed to SelectSFSFile.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0060 WhichFile has an impossible value (%d) in %s

Source Files Generating Error Message: cns_BlockIOPackage.c, cns_OFDManager.c

Problem Description: A sanity check has failed. NSBlkGet or GetOFD cannot recognize the type of a block.

System Action: The Name Server halts.

Administrator Action: Restart the Name Server.

NSRV0061 An invalid FilesetName was passed to %s

Source Files Generating Error Message: cns_APIs.c, cns_FileSetPackage.c

Problem Description: The fileset PathName passed to the Name Server was either NULL or contained no characters. This is illegal.

System Action: None.

Administrator Action: None.

NSRV0062 An error occurred initializing the Fileset files. All updates aborted

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: While attempting to initialize the fileset files (the FilesetAttrs file or the Global-Fileset file) an error occurred. Previous error message(s) should reveal more details.

System Action: The Name Server halts.

Administrator Action: Investigate the cause of the problem and restart the Name Server as appropriate.

NSRV0063 Inconsistency. Couldn't find a FreeList entry in %s

Source Files Generating Error Message: cns_FreeListPackage.c

Problem Description: This is a consistency check to insure that a FreeList slot is found as expected.

System Action: The Name Server halts.

Administrator Action: Restart the Name Server.

NSRV0064 Bad %s (%d) encountered in procedure %s.

Source Files Generating Error Message: cns_OFDManager.c

Problem Description: A consistency check has failed. Either a bad lock type or a bad filetype has been encountered.

System Action: The error is logged and the Name Server halts.

Administrator Action: Restart the Name Server.

NSRV0065 Asked to change a FILE attribute in AssignAttributes. Can't be done

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: In a ns_SetAttrs request a client has asked that file attributes be changed. The Name Server can only change directory, symbolic link, fileset, junction, and hard link attributes. File attributes are changed by the Bitfile Server.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0066 Bad object type (%d) detected in NSBlkDelete

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The call to SelectSFSFile has returned a file type that cannot be recognized. This should be impossible.

System Action: The Name Server changes its operational state to “suspect”.

Administrator Action: Watch the Name Server closely for any unusual behavior and if any is noted, restart the Name Server.

NSRV0067 An illegal switch value (%d) was used in %s, Bits: 0x%08x%08x.

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server was asked to change a non-existent field in its specific configuration record. These fields are selected using bit vectors. If this request was made from the SSM there may be a problem with the SSM.

System Action: The error is logged and the Name Server continues.

Administrator Action: If the request is coming from the SSM and the error persists, restart the SSM.

NSRV0068 Couldn't find the OFD in the OFDList in ReplaceOFD

Source Files Generating Error Message: cns_OFDManager.c

Problem Description: The Name Server was asked to replace one of the OFDs in an OFD list with a new one. However, the old OFD could not be found in the OFD list.

System Action: The Name Server shuts down.

Administrator Action: Restart the Name Server.

NSRV0069 ‘type’ field of ns_TBlockKey_t and ns_TextBlock_t differ in VerifyStructs

Source Files Generating Error Message: cns_VerifyStructs.c

Problem Description: The “type” field in the ns_TBlockKey_t structure and in the ns_TextBlock-t structure must be the same width. Apparently they were not.

System Action: The Name Server halts.

Administrator Action: Make sure the Name Server was compiled with the correct include files and then restart the Name Server.

NSRV0070 Illegal object handle type (%d) in %s

Source Files Generating Error Message: cns_DotPackage.c

Problem Description: A consistency check failed. The Name Server was attempting to get the parent directory of an object that was not a directory. In this particular context this is illegal.

System Action: The Name Server halts.

Administrator Action: Restart the Name Server.

NSRV0071 Error %d (%s) from mm_ReadNS while attempting to read %s in %s

Source Files Generating Error Message: cns_FileSetPackage.c, cns_ReadConfig.c

Problem Description: The Name Server has attempted to read its specific configuration record and received an error.

System Action: If this read error occurs during initialization (in cns_ReadConfig.c) the Name Server will halt. If however the read error occurs while trying to update its specific configuration file the Name Server will continue.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server if necessary.

NSRV0072 Couldn't find FilesetRootRSN %u in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The Name Server searched its Fileset cache table for an entry that it thought it would find, but did not find it.

System Action: The Name Server logs the anomoly and continues.

Administrator Action: None.

NSRV0073 'origin' field of ns_TBlockKey_t & ns_TextBlock_t differ in VerifyStructs

Source Files Generating Error Message: cns_VerifyStructs.c

Problem Description: The “origin” field in the ns_TBlockKey_t structure and in the ns_TextBlock_t structure must be the same width. Apparently they aren’t.

System Action: The Name Server halts.

Administrator Action: Make sure the Name Server was compiled with the correct include files. If so, restart the Name Server.

NSRV0074 Error %d (%s) from mm_ReadNSxxxxByKey in NSBlkGetByKey

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: An error was returned from either mm_ReadNSACLByKey, mm_ReadNSFilesetAttrsByKey, mm_ReadNSObjectByKey, or mm_ReadNSGlobalFilesetByKey..

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that SFS is functioning properly.

NSRV0075 Error %d from %d call to TraversePath in %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: Reporting the error that occurred while parsing the path name.

System Action: The name serve logs the error and continues.

Administrator Action: None

NSRV0076 ShutDown: Closing all OFDs

Source Files Generating Error Message: cns_ShutDown.c

Problem Description: This is a message informing one and all that the Name Server is shutting down and is about to close all of its OFDs.

System Action: The Name Server will continue shutting down.

Administrator Action: Restart the Name Server if appropriate.

NSRV0077 Got error %d from mm_ReadBitFile while in GetFileAttrs

Source Files Generating Error Message: cns_GetFileAttrs.c

Problem Description: The Name Server attempted to read the Bitfile Server's metadata file but received an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that SFS is functioning properly.

NSRV0078 Error %d from TraversePath chasing down a symbolic link in ns_GetAttrs

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server was attempting to traverse a path described by a symbolic link and received an error from TraversePath.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0079 ShutDown: tx_close

Source Files Generating Error Message: cns_ShutDown.c

Problem Description: This is an informative message announcing that the Name Server is about to call tx_close as part of its shut down procedures.

System Action: The Name Server continues to shut down.

Administrator Action: Restart the Name Server if appropriate.

NSRV0080 A client is deleting a Comment from object block %d.

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: A client has asked the Name Server to update the Comment field with a zero length Comment. The Name Server interprets this as a request to delete the existing Comment.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0081 Bad WhichFile type (%d) used in NSBlkPut

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: SelectSFSFile has returned a bad "type". This should be impossible.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0082 TraversePath: No sym link data was read from the sym link

Source Files Generating Error Message: cns_TraversePath.c

Problem Description: A sanity check has failed. While parsing a path we encountered a symbolic link, but after reading the symbolic link data we see that no symbolic link data was returned.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0083 Entering procedure %s request from UID %d for pathname %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server is logging the entry to one of its APIs.

System Action: The event is logged and the Name Server continues.

Administrator Action: None

NSRV0084 Exiting procedure %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server is logging the exit from one of its APIs.

System Action: The Name Server continues.

Administrator Action: None.

NSRV0085 Bad switch value (%d) supplied as a parameter to SetServerState

Source Files Generating Error Message: cns_SetServerState.c

Problem Description: The Name Server has supplied a bad switch value to SetServerState. This should be impossible.

System Action: The Name Server shuts down.

Administrator Action: Restart the Name Server.

NSRV0086 The illegal OperationalState 'ST_DISABLED' was used in SetServerState

Source Files Generating Error Message: cns_SetServerState.c

Problem Description: It should not be possible for the OperationalState ST_DISABLED to be sent to SetServerState.

System Action: The Name Server shuts down.

Administrator Action: Restart the Name Server.

NSRV0087 Error %d from pthread_create in ReconnectSSM

Source Files Generating Error Message: cns_SSMPackage.c

Problem Description: The attempt to create the ReconnectSSMThread failed when the call to pthread_create failed with an error.

System Action: The Name Server shuts down.

Administrator Action: Insure the DCE is functioning properly and then restart the Name Server.

NSRV0088 Error %d from hpss_FindService getting SSM conn in ReconnectSSMThread

Source Files Generating Error Message: cns_SSMPackage.c

Problem Description: The Name Server was attempting to bind to the SSM and received an error from hpss_FindService.

System Action: The error is logged and the Name Server continues.

Administrator Action: Make sure SSM is functioning properly.

NSRV0089 Error %d from first call to NSFind chasing sym link in ns_GetAttrs

Source Files Generating Error Message: cns_APIs.c

Problem Description: While attempting to chase (parse) a symbolic link the Name Server received an error from NSFind.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0090 Requested to change admin state to %s in ns_ServerSetAttrs

Source Files Generating Error Message: cns_APIs.c

Problem Description: This is a message logging the fact that the Name Server has been asked to change its administrative state.

System Action: The action will depend on the administrative state that was set.

Administrator Action: Administrator action will depend on the administrative state that was set.

NSRV0091 Error %d was returned from NSGetPath in ns_GetName

Source Files Generating Error Message: cns_APIs.c

Problem Description: While attempting to get a path name the Name Server received an error from NSGetPath.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0092 Error %d (%s) from sfs_OpenFile while trying to open '%s' in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: During initialization the Name Server attempted to open its files and received an error from one of the open vague sfs.

System Action: The error is logged and the Name Server halts..

Administrator Action: Insure that SFS is functioning properly and that the Name Server's files exist. Restart the Name Server.

NSRV0093 Block %d has a bad 'type' field (%d) in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: As part of its initialization activities the Name Server reads the first three blocks of its object file. If the "type" of these blocks is not type DIRECTORY, something is severely wrong.

System Action: The Name Server halts.

Administrator Action: Insure that the Name Server's specific configuration file contains the correct path name to the object file. Insure that SFS is functioning properly. Attempt to restart the Name Server.

NSRV0094 Error %d (%s) was returned from sfs_CloseOfd in closing %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server attempted to close its files at the end of its initialization operations but received an error.

Administrator Action: Insure that SFS is functioning properly. Restart the Name Server.

NSRV0095 cns_blkinit will use the existing %s file , No initialization necessary!

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: This is an informative message proclaiming that the Name Server will use the existing file (instead of initializing it).

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0096 Error %d (%s) from %s creating %s 0x%08x%08x in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: While trying to initialize, the indicated file the Name Server received an error .

System Action: The Name Server halts.

Administrator Action: Insure that SFS is functioning properly. Restart the Name Server.

NSRV0097 %s is creating and initializing NEW %s block '%d'

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: This is an informative message proclaiming that the Name Server is initializing the indicated blocks.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0098 Error %d (%s) was returned from mm_ReadNSObject in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: During initialization the Name Server received an error while attempting to read the object file.

System Action: The Name Server halts.

Administrator Action: Insure that SFS is functioning properly. Restart the Name Server.

NSRV0099 An attempt was made to get CompositePerms for the Parent object in %s

Source Files Generating Error Message: cns_Find.c

Problem Description: The client has requested that the composite permissions for a parent directory be returned. This would require getting the parent of the current parent directory. This we will not do!

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0100 Error %d (%s) from mm_ReadNSObjectByKey in %s.

Source Files Generating Error Message: cns_ReadConfig.c

Problem Description: During initialization the Name Server attempted to read an object record, but received an error.

System Action: The event is logged and the Name Server halts.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0101 Error %d (%s) from mm_ReadServerConfigByDescName on SSM in ReadConfig

Source Files Generating Error Message: cns_ReadConfig.c

Problem Description: The Name Server attempted to read the SSM generic configuration record but received an error.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly. Restart the Name Server.

NSRV0102 Error %d (%s) from mm_ReadServerConfig reading BFS file in ReadConfig

Source Files Generating Error Message: cns_ReadConfig.c

Problem Description: During initialization the Name Server attempted to read the BFS generic configuration record but received an error.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0103 Error %d (%s) from mm_ReadServerConfigByDescName reading the NS generic config record in %s

Source Files Generating Error Message: cns_ReadConfig.c

Problem Description: During initialization the Name Server attempted to read the generic configuration file but received an error.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0104 RSN of the block is %d instead of %d, as expected in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: During initialization the Name Server is attempting to create the first three object blocks but has received an error duringone of the attempts.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0105 The ns_TBlockKey_t structure is not properly formed in VerifyStructs

Source Files Generating Error Message: cns_VerifyStructs.c

Problem Description: During initialization the Name Server attempts to verify that the ns_TBlockKey_t structure is properly formed. It attempts to verify that the “Type” and “OriginId” fields are immediately adjacent.

System Action: The Name Server halts.

Administrator Action: Make sure the Name Server was compiled with the proper include files. Restart the Name Server.

NSRV0106 'origin' field of ns_HashKey_t and object block are not same size

Source Files Generating Error Message: cns_VerifyStructs.c

Problem Description: During initialization the Name Server attempts to verify that the “origin” fields in the ns_HashKey_t and ns_ObjectBlock_t structures are the same size. Apparently they are not.

System Action: The Name Server halts.

Administrator Action: Make sure the Name Server was compiled with the proper include files. Restart the Name Server.

NSRV0107 'origin' field of ns_ParentChildKey_t and object block not same size

Source Files Generating Error Message: cns_VerifyStructs.c

Problem Description: During initialization the Name Server attempts to verify that the 'origin' fields in the ns_ParentChildKey_t and ns_ObjectBlock_t structures are the same size. Apparently they are not.

System Action: The Name Server halts.

Administrator Action: Make sure the Name Server was compiled with the proper include files. Restart the Name Server.

NSRV0108 'ThisBlock' field of ns_ParentChildKey_t & object block not same size

Source Files Generating Error Message: cns_VerifyStructs.c

Problem Description: During initialization the Name Server attempts to verify that the 'ThisBlock' fields in the ns_ParentChildKey_t and ns_ObjectBlock_t structures are the same size. Apparently they are not.

System Action: The Name Server halts.

Administrator Action: Make sure the Name Server was compiled with the proper include files. Restart the Name Server.

NSRV0109 The malloc call to get the ContextPtr failed in serv_OpenConnection

Source Files Generating Error Message: cns_ConnectPackage.c

Problem Description: The Name Server called malloc to get some heap space for a Context pointer. The call failed.

System Action: The Name Server shuts down.

Administrator Action: Insure the operating system is functioning properly. Restart the Name Server.

NSRV0110 Error %d while locking mutex %s in %s

Source Files Generating Error Message: cns_APIs.c, cns_BFSPackage.c, cns_FileSetPackage.c. cns_FreeListPackage.c, cns_SSMPackage.c, cns_SetServerState.c, cns_StatsPackage.c, cns_TransferPerms.c

Problem Description: The Name Server attempted to lock a mutex and received an error from pthread-mutex-lock.

System Action: The Name Server shuts down.

Administrator Action: Insure that DCE is functioning properly and then restart the Name Server.

NSRV0111 Error %d while unlocking mutex %s in %s

Source Files Generating Error Message: cns_APIs.c, cns_BFSPackage.c, cns_FileSetPackage.c, cns_FreeListPackage.c, cns_SSMPackage.c, cns_SetServerState.c, cns_TransferPerms.c

Problem Description: The Name Server has attempted to unlock a mutex and received an error from pthread_mutex_unlock.

System Action: The Name Server shuts down.

Administrator Action: Insure that DCE is functioning properly and then restart the Name Server.

NSRV0112 Error %d (%s) from sfs_DissociateOfd when dissociating from %s file.

Source Files Generating Error Message: cns_OFDManager.c

Problem Description: The Name Server is attempting to dissociate one of its OFDs from a transaction but has received an error from sfs_DissociateOfd.

System Action: The event is logged and the Name Server continues.

Administrator Action: Insure that SFS is functioning properly.

NSRV0113 Error reading specific config record in AssignInitStatsValues: %d %s

Source Files Generating Error Message: cns_StatsPackage.c

Problem Description: The Name Server reads its specific configuration file periodically to update its statistics. This attempt to read the file failed.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0114 Error writing specific config record in AssignInitStatsValues: %d %s

Source Files Generating Error Message: cns_ReadConfig.c, cns_StatsPackage.c

Problem Description: During a cold-start initialization the Name Server writes the initial statistics values into its files. The attempt to write these values failed.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0115 The warning threshold for the Name Server has been exceeded!

Source Files Generating Error Message: cns_StatsPackage.c

Problem Description: The Name Server maintains a site configurable parameter called the Warning Threshold. This threshold is expressed as a percent and is related to the “fullness” of the Name Server database. If the Name Server database is filled beyond this point, this alarm message is logged.

System Action: The event is logged and the Name Server continues.

Administrator Action: Insure that there is sufficient space to continue running. Consult the Admin Guide for details.

NSRV0116 The critical threshold for the Name Server has been exceeded!

Source Files Generating Error Message: cns_StatsPackage.c

Problem Description: The Name Server maintains a site configurable parameter called the Critical Threshold. This threshold is expressed as a percent and is related to the “fullness” of the Name Server database. If the Name Server database is filled beyond this point, this alarm message is logged.

System Action: The event is logged and the Name Server continues.

Administrator Action: Insure that there is sufficient space to continue running. Consult the Admin Guide for details.

NSRV0117 Error %d from second call to NSFind chasing sym link in ns_GetAttrs

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server has discovered that the last component of a path name is a symbolic link in ns_GetAttrs, but has received an error while trying to read the symbolic link data.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0118 Unauth user tried to modify the server state data in ns_ServerSetAttrs

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server detected an unauthorized client trying to use the ns_ServerSetAttrs API.

System Action: The error is logged and the Name Server continues.

Administrator Action: If there are repeated attempts by this client to use this API, take whatever action seems appropriate.

NSRV0119 The call to malloc failed while trying to get space for %s in %s.

Source Files Generating Error Message: cns_AttrPackage.c, cns_FileSetPackage.c, cns_OFDManager.c, cns_StatsPackage.c, cns_TXPackage.c

Problem Description: A call to malloc failed.

System Action: The error is logged and sometimes the Name Server continues and sometimes the Name Server shuts down.

Administrator Action: Insure that the operating system is functioning correctly and then restart the Name Server if necessary.

NSRV0120 The call to malloc failed in %s: %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: A call to malloc failed.

System Action: The Name Server shuts down.

Administrator Action: Insure that the operating system is functioning correctly and then restart the Name Server.

NSRV0121 Error %d from GetOFD getting OFD for %s file in %s

Source Files Generating Error Message: cns_BlockIOPackage.c, cns_FileSetPackage.c, cns_StatsPackage.c

Problem Description: The Name Server attempted to get an OFD from the OFD pool manager and received an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server is necessary

NSRV0122 Error %d from hpss_GetOfd getting OFD for %s file in %s

Source Files Generating Error Message: cns_APIs.c, cns_OFDManager.c, cns_StatsPackage.c.

Problem Description: The Name Server attempted to get an OFD from the OFD pool manager and received an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that SFS is functioning properly.

NSRV0123 FilesetId (0x%08x%08x) passed to NSCreate cannot be found in the cache

Source Files Generating Error Message: cns_Create.c

Problem Description: Clients creating objects in the Name Server database are required to supply the FilesetId of the fileset they are attempting to create in. This client's supplied FilesetId does not match the FilesetId found by traversing the supplied Directory / PathName.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0124 Error %d from hpss_GetOfd getting generic config file OFD in ReadConfig

Source Files Generating Error Message: cns_ReadConfig.c

Problem Description: During initialization the Name Server attempted to get an OFD for the generic configuration file from the OFD pool manager. The attempt failed.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0125 Error %d from hpss_GetOfd getting specif config file OFD in ReadConfig

Source Files Generating Error Message: cns_ReadConfig.c

Problem Description: During initialization the Name Server attempted to get an OFD for the specific configuration file from the OFD pool manager. The attempt failed.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0126 If a %s is supplied, then a %s must also be supplied in %s

Source Files Generating Error Message: cns_Create.c

Problem Description: When creating objects certain rules must be followed. If a UID is supplied in the input attributes, then the GID must also be supplied. Correspondingly, if a GID is supplied, then the UID must also be supplied.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0127 The Directory and PathName are both NULL in %s.

Source Files Generating Error Message: cns_APIs.c

Problem Description: A client called ns_Delete but did not supply either a directory or a path name.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0128 >>> The database is FULL!! Going down!! Called from %s. <<<

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server database is becoming full and we received an error while trying to determine how much more space was available.

System Action: The Name Server halts.

Administrator Action: Insure that SFS is up and functioning properly. Restart the Name Server.

NSRV0129 %s: the path name has too many components

Source Files Generating Error Message: cns_GetPath.c, cns_TraversePath.c

Problem Description: A client has supplied a path name which contains too many path components.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0130 Error %d from hpss_FindService getting SSM IF in ReconnectSSMThread

Source Files Generating Error Message: cns_SSMPackage.c

Problem Description: The Name Server is attempting to connect to the SSM and has called hpss_FindService to find the binding to the SSM service interface. This call has failed.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that the SSM is up and functioning properly.

NSRV0131 hpss_OpenConnection error %d getting conn to SSM in ReconnectSSMThread

Source Files Generating Error Message: cns_SSMPackage.c

Problem Description: The Name Server is attempting to connect to the SSM and has called hpss_OpenConnection as part of this attempt. The call failed.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that the SSM is up and functioning properly.

NSRV0132 hpss_UnregisterService error %d unregistering connection mngt IF in %s

Source Files Generating Error Message: cns_ShutDown.c

Problem Description: The Name Server is attempting to shut down and has received an error from hpss_UnregisterService.

System Action: The Name Server continues trying to shut down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server if appropriate.

NSRV0133 The client supplied BuffSize (%d) was too small in ns_ReadDir.

Source Files Generating Error Message: cns_APIs.c

Problem Description: A client has asked to read directory entries, but has supplied a buffer too small to hold a single entry.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0134 A GatewayUUID was supplied for an HPSS Only fileset in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The client is attempting to create an HPSS_ONLY fileset, but has supplied a GatewayUUID. This makes no sense.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0135 Error %d from hpss_ReleaseLocks during initialization.

Source Files Generating Error Message: cns_Main.c

Problem Description: As part of its initialization the Name Server attempts to release any locks which might remain on any of its metadata records. It received an error while attempting to do this.

System Action: The Name Server logs the common probable cause for this and then continues.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0136 Didn't expect FilesetAttrs record with FS name '%s' to exit after creating GlobalFileset record in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server is initializing and has just finished creating a GlobalFileset record. It attempted to read the FilesetAttrs record and was mildly surprised to discover that one existed. It is logging this somewhat surprising event.

System Action: The Name Server logs the event and continues.

Administrator Action: None

NSRV0137 Error %d (%s) from hpss_PreRegisterService from InitializeServer

Source Files Generating Error Message: cns_Main.c

Problem Description: During initialization the Name Server made a call to hpss_PreRegisterService and received an error.

System Action: The Name Server shuts down.

Administrator Action: Insure that DCE and SFS are functioning properly and then restart the Name Server.

NSRV0138 Error %d from RemoveLastLink. An illegal last link was discovered in %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: In many of its client API routines the Name Server must remove the last component (or link) of a path name so that the path name may be parsed. This attempt to remove the last component failed.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0139 ShutDown: Unregistering services

Source Files Generating Error Message: cns_ShutDown.c

Problem Description: This is an informative message sent to tell where the Name Server currently is in the shut down process.

System Action: The Name Server continues to shut down.

Administrator Action: None. Restart the Name Server if appropriate.

NSRV0140 Error %d from NSFind in ns_GetName

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server is attempting to get the composite permissions in ns_GetName and has received an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0141 Error %d from MakeTicket in ns_GetName

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server attempted to build an Access Ticket but received an error from MakeTicket.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0142 Stale ObjHandle detected while attempting to delete MetaObject %d.

Source Files Generating Error Message: cns_Delete.c

*Problem Description:*The client attempted to delete a MetaObject, but the Name Server discovered that the "Original" object was gone. The client's object handle is stale.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0143 Error %d from sigwait in SignalThread

Source Files Generating Error Message: cns_Main.c

Problem Description: The Name Server called sigwait in its signal handling thread and received an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that the operating system is functioning properly.

NSRV0144 Received a %s signal in SignalThread

Source Files Generating Error Message: cns_Main.c

Problem Description: The Name Server signal handling thread has caught a signal that it was registered for. This message tells which type of signal was caught.

System Action: Depends on the type of signal that was caught. Most signals cause the Name Server to shut down.

Administrator Action: Restart the Name Server if appropriate.

NSRV0145 Error %d. Only the owner can %s ACLs in %s.

Source Files Generating Error Message: cns_DeleteACL.c

*Problem Description:*The client attempted to delete one or more ACL entries, but does not have the proper permissions.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0146 A client attempted to delete a non-existent %s.

Source Files Generating Error Message: cns_DeleteACL.c

Problem Description: The client explicitly named an ACL entry to delete, but such an entry does not exist.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0147 An attempt is being made to change the Type of the root fileset to a value other than HPSS_ONLY in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The Name Server has received a client request to change the Type of the root fileset. The only legal Type for the root fileset is HPSS_ONLY. This is not the Type supplied by the client.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0148 The Location of FOREIGN ACL entry types must be foreign, not zero.

Source Files Generating Error Message: cns_Auth.c, cns_DeleteACL.c.

Problem Description: The Location field of any FOREIGN ACL entry types must be non zero. How else can they be foreign?

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0149 The Location field of 'local' ACL entries must be %d, not %d in %s.

Source Files Generating Error Message: cns_Auth.c

Problem Description: A client has submitted ACL entries of the type whose Location fields must either be zero or match the local DCE CellId. Evidently, one or more of the Clients's ACL entries do not follow these rules.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0150 Got SSM request to set admin state to UNLOCKED in ns_ServerSetAttrs

Source Files Generating Error Message: cns_APIs.c

Problem Description: This is an informative message telling one-and-all that the SSM has requested the Name Server to set its administrative state to UNLOCKED.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0151 Bad WhichFile type (%d) used in NSBlkAdd

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: In NSBlkAdd the call to SelectSFSFile has produced a bad file "type".

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0152 Entering procedure %s request from UID %d

Source Files Generating Error Message: cns_APIs.c

Problem Description: This informative REQUEST message announces the entry into one of the Name Server's API functions.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0153 The EntryId must be set to zero in this type (%d) of ACL entry. ACL EntryId=%d, This Block=%d : %s

Source Files Generating Error Message: cns_Auth.c

Problem Description: The EntryId must be set to zero in the indicated ACL entry type. Any exceptions result in an error.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0154 Field(s) %s were negative in Fileset 0x%08x%08x. %s set the values to zero in the FilesetAttrs file, but the value(s) should eventaully be corrected.

Source Files Generating Error Message: cns_BlockIOPackage.c, cns_FileSetsPackage.c, cns_StatsPackage.c

Problem Description: While updating the fileset attribute record, the Name Server detected that the indicated count field had a negative value. Counts cannot be negative. The purpose of this messge is to inform everyone that the Name Server has set this negative count field to zero. In addition the Name Server advises that this Count field should someday be set to the "correct" value. Correcting the counts in a large database can take a great deal of time and consequently should be scheduled appropriately. The utility nsde can be used to find the correct count values.

System Action: The Name Server logs the event and continues.

Administrator Action: During some quiet time the administrator could run nsde to gather the correct count values and then assign these values to the appropriate fileset records..

NSRV0155 %s returned an error %d (%s) in %s

Source Files Generating Error Message: cns_APIs.c cns_StatsPackage.c

Problem Description: A call was made to the indicated function which returned the indicated error.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that SFS is functioning properly.

NSRV0156 Bad value (%d) for Unix permissions in cns_GetPermBits

Source Files Generating Error Message: cns_GetPermBits.c

Problem Description: The Name Server is attempting to determine the default permission bits for a file or a directory. Because this request is generated by the Name Server itself, it must always be correct and consistent. This request was not.

System Action: The Name Server shuts down.

Administrator Action: Restart the Name Server.

NSRV0157 Error (%d) returned from %s in %s. Fileset name %s with id (0x%08x%08x)

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The Name Server was attempting to create a fileset, but received an error. The name of the fileset and the FilesetId are included in the log message.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0158 Illegal Option (0x%08x) and/or ObjType (0x%04x) passed to %s, %s.

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server block I/O routines always check the "Options" and "Types" parameter for consistency. One of the other or both were inconsistent.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0159 Type field (%d) from fetched block %d is not a legal Type in NSBlkGet

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server has successfully read a record from its object file, but has discovered that the "type" field in the record is not a legal type.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that SFS is functioning properly.

NSRV0160 Fetched block has Type %d, but should have %d in NSBlkGet

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server read a record from its object file expecting this record to be a certain type. It wasn't.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that SFS is functioning properly.

NSRV0161 An AcsTicket was not supplied during an attempt to set the BFId in %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: In order to set the BitfileId an access ticket must also be supplied. This client did not supply an access ticket.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0162 The AcsTicket and BFId do not match in %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: An access ticket must be supplied whenever a client attempts to set the BitfileId. This access ticket must match this BitfileId. This BitfileId and access ticket did not match.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0163 Got an impossible NotificationType (%d) in NotifySSM

Source Files Generating Error Message: cns_SSMPackage.c

Problem Description: A consistency check has failed. There are a limited number of NotificationTypes and this is one that the Name Server does not recognize.

System Action: The Name Server shuts down.

Administrator Action: Insure that the Name Server was compiled using the correct include files. Restart the Name Server.

NSRV0164 Error %d was returned by hsec_CheckAuthzTkt in VerifyBFId

Source Files Generating Error Message: cns_TicketPackage.c

Problem Description: The Name Server was attempting to verify an access ticket and received an error from hsec_CheckAuthzTkt.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure the DCE is running correctly.

NSRV0165 Error %d was returned by hsec_AuthzFromString in VerifyBFId

Source Files Generating Error Message: cns_TicketPackage.c

Problem Description: The Name Server was attempting to verify an access ticket and received an error from hsec_AuthzFromString.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0166 Error %d and Status %d returned by hpss_Unseal in VerifyBFId

Source Files Generating Error Message: cns_TicketPackage.c

Problem Description: The Name Server is attempting to verify that a BitfileId is valid, but received an error from hpss_Unseal.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that DCE is running correctly.

NSRV0167 Error %d was returned by pthread_cond_init for %s in %s

Source Files Generating Error Message: cns_FreeListPackage.c, cns_StatsPackage.c

Problem Description: During initialization the Name Server was attempting to initialize the condition variable, but received the indicated error from pthread_cond_init.

System Action: The Name Server shuts down.

Administrator Action: Insure that DCE is functioning properly and then restart the Name Server.

NSRV0168 Error %d was returned by hpss_GetServerID in %s.

Source Files Generating Error Message: cns_ConnectPackage.c

Problem Description: The Name Server attempted to get the caller's ServerId, but received an error.

System Action: The Name Server halts.

Administrator Action: Insure that DCE is functioning properly and then restart the Name Server.

NSRV0169 Error %d from hsec_UcredAudit in SendSecAudit

Source Files Generating Error Message: cns_SecurityPackage.c

Problem Description: The Name Server is attempting to make a security audit record, but has received an error in the attempt.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0170 Error %d from %s. Tried to set MaxRecords < NumRecordsUsed 0x%08x%08x

Source Files Generating Error Message: cns_APIs.c

Problem Description: A client, probably the SSM, attempted to set MaxRecords below the NumRecordsUsed value .

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that the MaxRecords value is valid and satisfies the above criteria.

NSRV0171 Error %d returned from pthread_cond_timedwait for %s in %s

Source Files Generating Error Message: cns_FreeListPackage.c, cns_StatsPackage.c

Problem Description: While attempting to set-up a condition variable the Name Server received an error from pthread_cond_timedwait.

System Action: The Name Server shuts down.

Administrator Action: Insure that DCE is functioning properly and then restart the Name Server.

NSRV0172 TraversePath: a component of the pathname is too long

Source Files Generating Error Message: cns_TraversePath.c

Problem Description: A component of a client supplied path name is too long.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0173 Error %d returned by pthread_create in %s

Source Files Generating Error Message: cns_APIs.c, cns_FreeListPackage.c, cns_Main.c, cns_StatsPackage.c

Problem Description: The Name Server attempted to create a thread but received an error.

System Action: The Name Server shuts down.

Administrator Action: Insure that DCE is functioning properly and then restart the Name Server.

NSRV0174 Error %d was returned by NSFind in TraversePath. Name: %s

Source Files Generating Error Message: cns_TraversePath.c

Problem Description: While parsing a client's path an error was received while attempting to fetch the indicated components.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0175 Error %d returned by NSFind fetching sym link data in TraversePath

Source Files Generating Error Message: cns_TraversePath.c

Problem Description: A symbolic link component was discovered in a path name, but the attempt to read the associated symbolic link data failed.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0176 Error %d returned by hpss_GetOfd in InitBFSMetaDataFileName

Source Files Generating Error Message: cns_BFSPackage.c

Problem Description: An attempt to get an OFD from the OFD pool manager failed.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0177 Error %d (%s) from mm_ReadServerConfig in InitBFSMetaDataFileName

Source Files Generating Error Message: cns_BFSPackage.c

Problem Description: During initialization the Name Server reads the generic configuration file to get information about the Bitfile Server. This read attempt failed.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0178 Error %d (%s) returned by mm_ReadBFS in InitBFSMetaDataFileName

Source Files Generating Error Message: cns_BFSPackage.c

Problem Description: During initialization the Name Server attempts to read the Bitfile Server's specific configuration file. This attempt failed.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0179 Configuration mismatch between the Name Server and Bitfile Server

Source Files Generating Error Message: cns_BFSPackage.c

Problem Description: During initialization the Name Server must insure that the Bitfile Server entry it has fetched is the correct entry. It does this by comparing the Name Server UUID kept by the Bitfile Server from the BFS specific configuration file against its known UUID. This comparison failed.

System Action: The Name Server shuts down.

Administrator Action: Insure that the Bitfile Server and the Name Server are properly configured.

NSRV0180 Got an INVALID_OFD in %s following call to %s. InvalidOFDCount=%d

Source Files Generating Error Message: cns_BlockIOPackage.c, cns_GetFileAttrs.c

Problem Description: While attempting to read or write one of its files or the BFS bitfile the Name Server received an INVALID_OFD error.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0181 CloseError=%d, OpenError=%d following the call to %s in %s

Source Files Generating Error Message: cns_GetFileAttrs.c

Problem Description: While attempting to recover from an INVALID_OFD error the Name Server received some other error.

System Action: The Name Server shuts down.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0182 Invalid dir while processing small buffer in ns_ReadDir: NOE=%d, OS=%d

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server is attempting to process an ns_ReadDir request and has received an error from GetDotDot.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0183 Unknown EntryType %d in %s.

Source Files Generating Error Message: cns_Auth.c

Problem Description: While scanning an object's list of ACL entries, the Name Server has discovered an EntryType that it does not recognize. This should be impossible.

System Action: The event is logged and the Name Server halts.

Administrator Action: Restart the Name Server. The offending ACL entry should be deleted.

NSRV0184 The supplied Descriptive Name is too long in InitializeServer.

Source Files Generating Error Message: cns_Main.c

Problem Description: During initialization the Name Server's descriptive name was discovered to be longer than HPSS_MAX_DESC_NAME.

System Action: The Name Server shuts down.

Administrator Action: Make sure the Name Server's descriptive name in the generic configuration file is correct and less than HPSS_MAX_DESC_NAME characters in length.

NSRV0185 Saw inited block after seeing UNinited block at RSN %d in %s.

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: During initialization the Name Server carefully checks the first three records in the object file for consistency. If the first record has not been initialized then the next two records must also be uninitialized.

System Action: The Name Server shuts down.

Administrator Action: Insure that the Name Server is operating on the correct set of files.

NSRV0186 Saw UNinited block after seeing inited block at RSN %d in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: During initialization the Name Server carefully checks the first three records in the object file for consistency. If the first record has been initialized then the next two records must also be initialized.

System Action: The Name Server shuts down.

Administrator Action: Insure that the Name Server is operating on the correct set of files.

NSRV0187 NSTRACE: %s

Source Files Generating Error Message: cns_LogPackage.c

Problem Description: This is a "special" message used by the Name Server while debugging or doing timing tests. One of the fields of this message is always the microsecond time.

System Action: None.

Administrator Action: None.

NSRV0188 Error %d was returned by GetDotDot (called from TraversePath)

Source Files Generating Error Message: cns_TraversePath.c

Problem Description: While parsing a client's path name one of the path components was discovered to be DotDot. While attempting to get the DotDot directory the Name Server received an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0189 Error %d was returned by the recursive call to TraversePath

Source Files Generating Error Message: cns_TraversePath.c

Problem Description: The Name Server uses a recursive algorithm to parse path names. These recursions occur when symbolic link components are encountered. One of these recursive calls returned an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0190 Empty block couldn't be found in %s: FreeObjectId=%d, NotDeletedObj=%d

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: While trying to add a new entry to the object file the Name Server discovered that it could not find a place in the file to put the new entry.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that the Name Server has space for new entries. Consult the Admin Guide for details.

NSRV0191 The MaxByteSizeOfBuffer is %d, but must always be less than %d. %s

Source Files Generating Error Message: cns_APIs.c, cns_ReadConfig.c

Problem Description: The maximum byte size of the buffer used to return a list of directory entries is not allowed to exceed a maximum size. Apparently someone tried to exceed this size.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0192 WARNING: WARNING Insert had to read 5 records that were really in-use

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: When performing ns_Insert functions the Name Server attempts to use records that are on the FreeList. However before it uses one of these FreeList records it verifies that the record is indeed free. If the record is not free the Name Server again tries to find a FreeList record. If the Name Server cannot find a "good" FreeList record after five attempts, it logs the above message.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0193 Can't use both the %s and the %s options when updating ACL entries in %s

Source Files Generating Error Message: cns_Auth.c

Problem Description: When updating ACL entries it is possible to pass in options which affect how the MASK_OBJ will be treated. This request used these options in an illegal manner.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0194 Bad ACL EntryType %d detected in %s.

Source Files Generating Error Message: cns_Auth.c

Problem Description: The client submitted an ACL entry whose EntryType is not in the legal range of valid EntryTypes.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0195 Can't say CALCULATE_MASK and then supply a MaskObj in %s.

Source Files Generating Error Message: cns_UpdateACL.c

Problem Description: The client used the CALCULATE_MASK option and then supplied a MaskObj entry. You cannot do both.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0196 Adding ACL with EType %d and EId %d would turn on the IneffectivePerms.

Source Files Generating Error Message: cns_UpdateACL.c

Problem Description: The client has attempted to add an ACL entry whose permission bits would cause one or more of the ineffective permission bits to be turned on.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0197 An attempt was made to add ACL(s) that would result in a higher MaskObj.

Source Files Generating Error Message: cns_UpdateACL.c

Problem Description: The result of calculating the new MaskObj after adding ACL entries is that the new MaskObj will have more bits turned on. This is not allowed.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0198 An attempt was made to set the %s with illegal perms (0x%x) in %s.

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: One or more ACL entries were submitted to the Name Server containing illegal permission bits.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0199 ACL conformant array was NULL or Length (%d) was less than 1 in %s.

Source Files Generating Error Message: cns_DeleteACL.c, cns_UpdateACL.c

Problem Description: A client requested either an ACL delete or update, but no ACL entries were supplied.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0200 Bad status %d from SearchForName

Source Files Generating Error Message: cns_Create.c, cns_Delete.c, cns_Link.c, cns_Rename.c, cns_Update.c

Problem Description: The call to SearchForName did not return the expected result.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0201 Not allowed to set field %d in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: An attempt was made to set an attribute field that cannot be modified.Perhpas the field is a BFS field or is a FilesetAttrs field which cannot be changed through this interface. If so, try the oppropriate interface.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0202 EntryId %d is not a legal group for UID %d in block %d: %s.

Source Files Generating Error Message: cns_Auth.c

Problem Description: The client is trying to change the GroupObj, but is not a member of the group they are trying to change to.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0203 Error: not owner

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: An attempt was made to set an attribute field that only the owner or a client with control permission can set.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0204 Only the root user can perform the indicated operation: %s in %s

Source Files Generating Error Message: cns_AttrPackage.c
Problem Description: An attempt was made to set an attribute field that only root can set.
System Action: The error is logged and the Name Server continues.
Administrator Action: None.

NSRV0205 Error: not file object

Source Files Generating Error Message: cns_AttrPackage.c
Problem Description: An attempt was made to set a file attribute in a non-file object.
System Action: The error is logged and the Name Server continues.
Administrator Action: None.

NSRV0206 Unrecognized bits (0x%x) were 'on' in the ACLOptions in %s.

Source Files Generating Error Message: cns_Auth.c
Problem Description: The Options parameter to UpdateACLs had bits on that are not legal option bits.
System Action: The event is logged and the Name Server continues.
Administrator Action: None.

NSRV0207 Error: GID %d not in GID list in %s

Source Files Generating Error Message: cns_AttrPackage.c
Problem Description: A client attempted to set the GID field to a group that the client was not a member of.
System Action: The error is logged and the Name Server continues.
Administrator Action: None.

NSRV0208 User with UID %d does not have permission to update the Comment in %s

Source Files Generating Error Message: cns_AttrPackage.c
Problem Description: The indicated user attempted to update the Comment field, but does not have write access to the object.
System Action: The event is logged and the Name Server continues.
Administrator Action: None

NSRV0209 Error %d getting comment block

Source Files Generating Error Message: cns_AttrPackage.c, cns_Link.c
Problem Description: An attempt to read a Comment record from the Text file failed.
System Action: The error is logged and the Name Server continues.
Administrator Action: None.

NSRV0210 Error %d setting comment block

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: An attempt is being made to set the Comment attribute, but an error was returned from SetText.

System Action: The error is logged and the Name Server continues.

Administrator Action: Insure that SFS is functioning properly.

NSRV0211 The supplied MACSecLabel is too large in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: An attempt is being made to set the MACSecLabel field to a new value, but the new value is too large.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0212 Bad object type %d was passed to NSCreate

Source Files Generating Error Message: cns_Create.c

Problem Description: An attempt is being made to create a new object, but the type of the object is not recognized by NSCreate.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0213 Wrong database version for this NS. Database is v %d, NS is v %d

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: During initialization the Name Server checks the Version number which is kept in block 0 of the Object block file. Apparently an unexpected Version number was found there.

System Action: The Name Server halts.

Administrator Action: Verify that the correct files are assigned to the Name Server. If the files are correct, have they been converted to 4v1? Restart the Name Server after making corrections

NSRV0214 Bad ATTRINDEX value %d was supplied in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: An attempt was made to set an attribute field, however there is no attribute field that corresponds to one of the bits found in InAttrBits.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0215 Directory %d is not a directory, %s

Source Files Generating Error Message: cns_Create.c, cns_Link.c

Problem Description: An attempt was made to create a new object in something other than a directory. This, of course, is an error.

System Action: The error is logged, and the Name Server continues.

Administrator Action: None.

NSRV0216 File %s already exists in directory %d, %s

Source Files Generating Error Message: cns_Link.c

Problem Description: An attempt was made to create a link, but an object with that name already exits.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0217 Error %d setting extended name

Source Files Generating Error Message: cns_Create.c, cns_Link.c, cns_Rename.c

Problem Description: An attempt was made to write an extended name (longer than 23 characters), symbolic link data or a Comment to the Text file, but an error was received from SetText.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0218 Generation numbers 0x%x (C) and 0x%x (O) don't match for object %d

Source Files Generating Error Message: cns_Create.c

Problem Description: The Generation number in the client's object handle does not match the Generation number in the object record. They must match.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0219 Directory permissions inadequate

Source Files Generating Error Message: cns_Create.c, cns_ReadDir.c

Problem Description: The client does not have sufficient directory permissions to perform the requested operation.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0220 File permissions inadequate

Source Files Generating Error Message: cns_Create.c

Problem Description: The permissions needed to access this object are inadequate.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0221 WARNING from %s: The upper bit is not set (on) in the Root FilesetId. This should be fixed!.

Source Files Generating Error Message: cns_ReadConfig.c

Problem Description: During initialization the Name Server checks the upper bit of the Root fileset's FilesetId. The Root fileset is an HPSS_ONLY fileset and the upper bit of all such filesets is supposed to be on (1). However, for some reason, the upper bit is not on. This should be fixed.

System Action: The Name Server logs the event, sets its operational state to "suspect", and continues.

Administrator Action: The FilesetId of the Root fileset should be changed to a 64-bit value that has the upper bit turned on.

NSRV0222 Error %d getting extended name

Source Files Generating Error Message: cns_Link.c, cns_ReadDir.c, cns_Rename.c

Problem Description: The Name Server was attempting to read the "overflow" portion of a long name from the Text file, but received an error from GetText.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0223 A directory must be supplied to ReadDir, NOT type 0x%02x, %s

Source Files Generating Error Message: cns_ReadDir.c

Problem Description: The client attempted to read entries from an object other than a directory. This just won't work.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0224 Entering procedure %s request from UID %d. FilesetId %s, RSN %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: This message announces the entry into one of the Name Serverõs fileset manipulation APIs: ns_DeleteFileset, ns_GetFilesetAttrs, ns_MkFileset, or ns_SetFilesetAttrs.

System Action: The event is logged and the Name Server continues.

Administrator Action: None

NSRV0225 Rename to already existing file

Source Files Generating Error Message: cns_Rename.c

Problem Description: An attempt was made to rename an object to a name that already exits.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0226 Requested rename would create orphan

Source Files Generating Error Message: cns_Rename.c

Problem Description: The requested rename, if carried out, would disconnect (orphan) a portion of the directory subtree.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0227 Same directory & different generation nos

Source Files Generating Error Message: cns_Rename.c

Problem Description: The client is attempting to rename an object leaving it in the same directory. However the object handles to the old and new directories, while having the same ObjectId, have different Generation numbers. This is an error.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0228 Unknown AttributeIndex %d found in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: A client has requested that attributes be returned, but one of the bits in OutAttrBits does not correspond to a Name Server attribute.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0229 Error %d returned by CheckACLs which was called from AuthCheck

Source Files Generating Error Message: cns_Auth.c

Problem Description: The Name Server is attempting to perform an authorization check and has received an error from CheckACLs.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0230 Error %d returned by NSBlkGetByKey which was called from %s

Source Files Generating Error Message: cns_Auth.c, cns_CountEntried.c, cns_DeleteACL.c, cns_ReadDir.c, cns_SetACL.c, cns_UpdateACL.c

Problem Description: The Name Server was attempting to read records by key and received an error from NSBlkGetByKey.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0231 Unknown type (%d) encountered in the ACL (called by CheckACL)

Source Files Generating Error Message: cns_Auth.c

Problem Description: While processing ACLs an unknown ACL “type” was encountered in the CheckACL function.

System Action: The Name Server shuts down.

Administrator Action: Restart the Name Server.

NSRV0232 Error %d was returned from %s in %s

Source Files Generating Error Message: cns_APIs.c, cns_AttrPackage.c, cns_Auth.c, cns_BlockIOPackage.c, cns_ConnectPackage.c,cns_Create.c, cns_Delete.c, cns_DeleteACL.c,s_FileSetPackage.c, cns_Find.c, cns_GetACL.c, cns_GetFileAttrs.c, cns_GetPath.c, cns_JunctionPackage.c, cns_Link.c, cns_Main.c, cns_ReadDir.c, cns_Rename.c, cns_SSMPackage.c, cns_SetACL.c, cns_ShutDown.c, cns_StatsPackage.c, cns_Update.c, cns_UpdateACL.c

Problem Description: This is a very general error message that has been used in a multitude of places in the Name Server.

System Action: The error is logged and depending on the error, the Name Server either continues or halts.

Administrator Action: None.

NSRV0233 Non-root user %d attempted to create a Junction object in %s

Source Files Generating Error Message: cns_Create.c

Problem Description: Only the Root user or a trusted user with DCE Write permission can create Junctions.

System Action: The event is logged and the Name Server continues.

Administrator Action: None

NSRV0234 Non-existent ACL(s) supplied to NSDeleteACL

Source Files Generating Error Message: cns_DeleteACL.c

Problem Description: A list of ACLs to be deleted was passed to the Name Server. At least one of these ACLs does not exist in the Name Server's database.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0235 An illegal ACL permission (0x%x) was detected in %s

Source Files Generating Error Message: cns_Auth.c

Problem Description: While updating ACLs the Name Server checks that the client supplied ACL permissions are valid. Apparently invalid permissions were detected.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0236 A consistency check (%d) failed in %s

Source Files Generating Error Message: cns_UpdateACL.c

Problem Description: A consistency check failed. At this point in the code, the Name Server expected the ACL list to be empty, but it wasn't.

System Action: The error is logged and the Name Server shuts down.

Administrator Action: Restart the Name Server.

NSRV0237 The SubTreeHandle for Junction must be type Directory/FilesetRoot in %s

Source Files Generating Error Message: cns_Create.c

Problem Description: When creating a Junction, an object handle known as the SubTreeHandle must be supplied. The Type of this SubTreeHandle must be type directory. Apparently this client's SubTreeHandle is of the wrong type.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0238 Junction and Fileset objects can only be created, deleted, and updated by the Root user. Not %d

Source Files Generating Error Message: cns_APIs.c, cns_Delete.c

Problem Description: Junction and Fileset objects can only be created, deleted, and updated by the Root user or a trusted user with Write permission. Apparently this user did not have sufficient permission.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0239 Delete option %d was requested, but object type was %d

Source Files Generating Error Message: cns_Delete.c

Problem Description: The ns_Delete API has an Option parameter that conrols the behavior of the delete. Apparently this client set Option to a value that conflicts with the object being deleted.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0240 Illegal Delete option %d was detected

Source Files Generating Error Message: cns_Delete.c

Problem Description: The ns_Delete API has an Option parameter that controls the behavior of the delete. Apparently this user has set this Option parameter to an illegal value.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0241 Consistency failure in %s: ACLBlockP is NULL, NmACLs=%d, NewBlk.ACLBI=%d

Source Files Generating Error Message: cns_SetACL.c

Problem Description: The Name Server is performing a sanity check and the check failed. ns_SetACL has been called and the Name Server is attempting to replace any existing ACL entries with the new client supplied entries. While performing this operation, various internal pointers are moved and the Name Server is trying to insure that one of these pointers is still valid. It was not.

System Action: The Name Server halts.

Administrator Action: Restart the Name Server.

NSRV0242 The UUID in the NS object handle does not match the NS's UUID in %s

Source Files Generating Error Message: cns_Create.c, cns_FileSetPackage.c

Problem Description: The Name Server verifies that that the UUID in all object handles is the correct UUID. It has discovered one that isn't.

System Action: If the Name Server discovers a bad UUID in a client supplied object handle, it merely logs the event and continues. However if it discovers a bad UUID in its FilesetAttrs file, it halts.

Administrator Action: If the Name Server has halted, it may be necessary to find and repair the bad UUID in the FilesetAttrs file. Restart the Name Server if appropriate.

NSRV0243 An attempt was made to set the DMHandleLength in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: An attempt was made to set the DMHandleLength. This is a read-only field and can only be set by the Name Server.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0244 An attempt was made to set the read-only field %s in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: Certain Object block fields are read-only. An attempt was made to set one of these fields.

System Action: The error is logged and the Name Server continues.

Administrator Action: None.

NSRV0245 Addition of this object would cause the hlinks field to overflow in %s.

Source Files Generating Error Message: cns_Create.c, cns_Link.c, cns_Rename.c

Problem Description: The link count field is only 16-bits wide. Addition of this object would cause this field to overflow.

System Action: The event is logged and the Name Server continues.

Administrator Action: None.

NSRV0246 Illegal Option 0x%08x was passed to %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: Certain Name Server APIs have an Option parameter. Apparently the client supplied an illegal Option value to the indicated function.

System Action: The Name Server logs the error and continuessfs_ModifyFieldByKey.

Administrator Action: None.

NSRV0247 PathName too long while processing %s error in %s: %d

Source Files Generating Error Message: cns_TraversePath.c

Problem Description: While attempting to parse a clients input PathName the Name Server has encountered an error. When certain of these errors occur, the Name Server attempts to return the RemainingPath. However it has discovered that the PathName is now too long to fit into the RemainingPath data structure. This can happen when PathNames contain symbolic links.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0248 The NS database is full! Add more space or delete some entries: %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server database is full! The Name Server Object block file contains MaxRecords entries.

System Action: The Name Server logs the event and continues. However no more entries will be added to the database until this situation is resolved.

Administrator Action: Consult the Admin Guide for advice on how to add more space.

NSRV0249 SpecificConfig field %s is bad in %s. Initialization cannot proceed

Source Files Generating Error Message: cns_ReadConfig.c

Problem Description: During initialization the Name Server verifies that every field in its specific configuration record is valid. Apparently the indicated field is bad.

System Action: The Name Server halts.

Administrator Action: Repair the bad field. The field may be changed using the SSM. Restart the Name Server.

NSRV0250 An attempt was made to delete the root fileset at location %d in %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: The client has attempted to delete the root fileset. This is the only fileset that cannot be deleted.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0251 %s cannot be NULL in %s

Source Files Generating Error Message: cns_APIs.c, cns_FileSetPackage.c

Problem Description: Certain parameters cannot be NULL or empty. For example, if asking for output attributes, the parameter that will hold these attributes cannot be set to NULL. In addition, if making a fileset, the input fileset name cannot be empty.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0252 %s mismatch from %s in %s.

Source Files Generating Error Message: cns_APIs.c, cns_BlockIOPackage.c

Problem Description: There are several APIs which allow both a fileset handle and a FilesetId to be supplied. In these cases the Name Server insures that the fileset handle and the FilesetId both point to the same fileset. In addition, during initialization the Name Server compares the handle to the root fileset found in the FilesetAttrs file against the "real" fileset root handle. If they don't compare, the above message results.

System Action: If the error is detected while comparing client supplied fileset handles and FilesetId, the Name Server logs the error and continues. However if the error is detected during initialization, the Name Server halts.

Administrator Action: If the Name server halts, it may be necessary to repair the bad FilesetAttrs field. NSDE can be used to make such repairs.

NSRV0253 The %s is required in the Input Attributes in %s

Source Files Generating Error Message: cns_APIs.c, cns_FileSetPackage.c

Problem Description: Certain parameters are required when performing certain Name Server API functions. Apparently one or more of these parameters were omitted when the indicated function was requested.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0254 Fileset and Object attributes are required in %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: An attempt has been made to create a fileset without supplying the required fileset and/or object file attributes.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0255 %s cannot be supplied in %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: When creating a fileset, a client cannot attempt to set the fileset handle or any of the Count fields.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0256 Unable to locate %s Cache entry that should be present in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: An internal consistency check has failed. The Name Server has searched its fileset cache for an entry that it thinks should be in the cache, but has not been able to find it.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0257 Error %d attempting to add Fileset to Cache in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The Name Server attempted to add a new fileset entry to its cache, but suffered an error.

System Action: If this error is encountered during initialization, the Name Server halts. Otherwise the Name Server logs the error and continues.

Administrator Action: None.

NSRV0258 Changing Fileset's %s from %s to %s in Fileset %s with name '%s'

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: Whenever any fileset attributes are changed, the Name Server announces these changes. This is such an announcement.

System Action: The Name Server continues.

Administrator Action: None.

NSRV0259 An attempt was made to delete the root directory in %s

Source Files Generating Error Message: cns_Delete.c

Problem Description: The Name Server received a client request to delete the root fileset. The root fileset cannot be deleted.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0260 An attempt was made to set unsupported %s in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: The client attempted to set fileset StateFlag bits that are not supported.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0261 Only Root can change the EntryId or Loc fields in the USER_OBJ: ACL.EntryId=%d, FB.UID=%d, ACL.Loc=%d, FB.Loc=%d, ThisBlock=%d: %s

Source Files Generating Error Message: cns_Auth.c

Problem Description: An attempt was made to change the UID or Location fields of the USER_OBJ ACL entry. Only Root is allowed to make such a change. All of the particulars of the attempt are in the log message.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0262 Both the FilesetHandle and the FilesetId were NULL in %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: A client is attempting to either delete a fileset or, get fileset attributes, or set fileset attributes. When performing these operations the Name Server requires that the client supply a FilesetHandle or a FilesetId. Apparently the client supplied neither.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0263 Error %d from hsec_Get_TCellInfo_from_Loc in InitializeServer

Source Files Generating Error Message: cns_Main.c

Problem Description: During initialization the Name Server attempts to get the DCE Cell Id. The attempt failed.

System Action: The Name Server halts.

Administrator Action: Insure that DCE is running and restart the Name Server.

NSRV0264 WARNING! The DCECellId returned by Get_TCellInfo_from_Loc is '0'

Source Files Generating Error Message: cns_Main.c

Problem Description: In an effort to recognize foreign users (users from 'other' DCE cells), HPSS assigns a unique CellId to each DCE cell it is running on. The Name Server has detected that the local DCE CellId is zero. This value is probably not correct.

System Action: The Name Server announces the problem and continues.

Administrator Action: Consult the Admin Guide for the procedures for creating and assigning a DCE CellId to your DCE Cell. Restart the Name Server.

NSRV0265 The Location field of a MASK_OBJ or UNAUTHMASK must always be zero. ACL.Loc=%d, ThisBlock=%d: %s

Source Files Generating Error Message: cns_Auth.c

Problem Description: The client has tried to add either a MASK_OBJ or an UNAUTHMASK ACL entry, but the Location field in the ACL entry is not zero.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0266 Attempting to change %s fileset name '%s' or filesetId 0x%08x%08x to fileset name '%s' or filesetId 0x%08x%08x in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The client is attempting to change either the FilesetId, the fileset name, or both. This is an informative message announcing this attempt.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0267 WARNING: %s is out of range (%d) in %s. Fixed

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The Name Server keeps statistics on its fileset cache usage. If any of these statistics ever wander out of range, the Name Server fixes them. This message announces that such a statistic was found and fixed.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0268 %s: PathName which ends with one or more slashes is too small after slashes are removed in call to %s.

Source Files Generating Error Message: cns_APIs.c

Problem Description: The client submitted a PathName which ended with one or more slash characters. After peeling off these extra slashes, the Name Server noticed that nothing was left of the PathName.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0269 Fileset with name '%s' has a bad GatewayUUID in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: An attempt was made to change a GatewayUUID in the indicated fileset. However, the Name Server could not decypher the GatewayUUID it found in its cache!

System Action: The Name Server logs the error and continues.

Administrator Action: It may be necessary to restart the Name Server.

NSRV0270 A bad input %s was detected in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: An attempt was made to change a GatewayUUID a fileset. However, the Name Server could not decypher the input GatewayUUID.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0271 The HowMany parameter is zero in %s

Source Files Generating Error Message: cns_FileSetPackage.c, cns_JunctionPackage.c

Problem Description: The ns_ReadFilesetAttrs, ns_ReadGlobalFilesets, and ns_ReadJunctionPathNames APIs all have a HowMany parameter. The HowMany parameter tells the Name Server how many entriies are to be returned to the client. This parameter was detected to be zero.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0272 The Fileset is marked DESTROYED and cannot be accessed in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The FilesetAttrs StateFlags for this fileset have the Destroyed bit on. This bit usually indicates that the DFS portion of a mirrored fileset has been destroyed. In any case, a fileset whose StateFlags have the Destroyed bit on cannot be accessed.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0273 The Fileset permissions do not allow %s. From %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: An attempt was made to access a fileset whose FilesetAttrs StateFlags indicate that such access is not permitted. The FilesetAttrs StateFlags have bits which indicate Read permission, Write permission, and a Destroyed state. The client has apparently run afoul of these access bits.

System Action: The Name Server logs the error and continues.

Administrator Action: It may be necessary to change the access allowed by the StateFlags. The SSM can be used for this purpose.

NSRV0274 In VerifyStructs HPSS_MAX_COMMENT_LENGTH is not 255!

Source Files Generating Error Message: cns_VerifyStructs.c

Problem Description: If HPSS_MAX_COMMENT_LENGTH is ever changed from its present value of 255, the Name Server is in a lot of trouble. During initialization the Name Server checks for this trouble.

System Action: The Name Server halts.

Administrator Action: Investigate the reason for changing the value of HPSS_MAX_COMMENT_LENGTH and see if it can be set back to the correct length of 255. Restart the Name Server.

NSRV0275 Attempt to set DMHandle failed. DMHandleLength (%d) was too big in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: An attempt was made to set the DMHandle length, but the provided length was too big.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0276 Attempt to set the FilesetName failed because the new name was too long

Source Files Generating Error Message: cns_APIs.c, cns_AttrPackage.c, cns_FileSetPackage.c

Problem Description: An attempt was made to change the fileset name, but the character length of the new name was too long (longer than NS_FS_MAX_FS_NAME_LENGTH characters).

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0277 Client FilesetId 0x%08x%08x does not match the Fileset: OH=%d, PRSN=%d

Source Files Generating Error Message: cns_Create.c

Problem Description: An attempt was made to create an object in a fileset whose FilesetId does not match the client's input FilesetId.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0278 The random number generator won't generate non-zero numbers in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server puts a non-zero random number into the GenerationNumber field of all object handles. It tests each number produced by the random number generator to insure that zero is not used. If a zero is returned, the Name Server will retry 10 times to get get a non-zero number. Apparently 10 consecutive zeros were returned.

System Action: The Name Server halts.

Administrator Action: Verify that the operating system is functioning properly. Restart the Name Server.

NSRV0279 Got unrecoverable OFD_INVALID error from %s in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server was attempting an operation that requires a range of records to be read, but its OFD became invalid. Normally the Name Server can recover from invalid OFDs, but when a range of records is being read the The Name Server cannot recover.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0280 Can't recover from %s error. %s called from %s. %s

Source Files Generating Error Message: cns_BlockIOPackage.c, cns_GetFileAttrs.c

Problem Description: The Name Server has an I/O error recovery algorithm that it uses for certain types of I/O errors. If it cannot recover, the above message is logged detailing the particulars.

System Action: The Name Server logs the error and continues.

Administrator Action: Insure that SFS is running correctly..

NSRV0281 Waiting %d secs in attempt to recover from error %s from %s in %s. %s

Source Files Generating Error Message: cns_BlockIOPackage.c, cns_GetFileAttrs.c

Problem Description: The Name Server has an I/O error recovery algorithm that it uses for certain types of I/O errors. It is currently running this algorithm and this message is to inform us how long it will wait in this partucular step of the algorithm.

System Action: The Name Server continues.

Administrator Action: Insure that SFS is running correctly.

NSRV0282 %s: Got error %d (%s) from %s in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server has an I/O error recovery algorithm that it uses for certain types of I/O errors. If the I/O error recovery function has been asked to log information, this message is sent to the log if the Name Server cannot recover from the error.

System Action: The Name Server logs the error and continues.

Administrator Action: Insure that SFS is running correctly.

NSRV0283 Found %s entry in FS cache table. %s error. FSId=0x%08x%08x, RSN=%u. %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The Name Server was asked to add a fileset entry to its cache, but discovered that an entry with this same FilesetId already exists in the cache.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0284 The %s field in the %s record is negative. It was corrected in %s

Source Files Generating Error Message: cns_StatsPackage.c

Problem Description: For each type of object in its database, the Name Server maintains a Count in its specific configuration record. For example there is a count for the number of files and a count for the number of directories. If any of these counts in the specific configuration record ever become negative, the Name Server corrects this count and logs this message.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0285 The %s was negative in the cached copy of Fileset 0x%08x%08x. The cached copy was corrected in %s

Source Files Generating Error Message: cns_StatsPackage.c

Problem Description: For each type of object in a fileset, the Name Server maintains a Count in the FilesetAttrs record associated with that fileset. If any of the Counts in any of these filesets becomes negative, the Name Server corrects this count and logs this message.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0286 The %s must be supplied in the %s when creating %s in %s

Source Files Generating Error Message: cns_Create.c

Problem Description: When creating a fileset, the UID and GID must be supplied in the InAttrs parameter. Apparently one or the other or both were missing.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0287 NL (%d) and strlen of Name (%d) disagree block %d. Fixing name %s in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server examines every block that is written to the Object file to see if the value in the NameLength field matches the strlen of the Name. If the lengths don't match, the Name Server makes the repairs. In this particular case the strnlen was greater than the NameLength.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0288 NL %d and strlen of Name %d disagree in block %d in %s. Look at name %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server examines every block that is written to the Object file to see if the value in the NameLength field matches the strlen of the Name. If the lengths don't match, the Name Server makes the repairs. In this particular case the NameLength was greater than the strnlen.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0289 Couldn't find fileset 0x%08x%08x while trying to restore it in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The Name Server was attempting to copy a fileset cache entry, but the fileset cache entry could no longer be found in the cache. This was unexpected.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0290 Fileset cache entry not found in cache after seeing it in there in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The Name Server was attempting to fetch a copy of a fileset cache entry, but could not find the entry after seeing it just a short time before. This was unexpected.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0291 %s (%d) returned by tran_GetLocalState is very bad in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The OutcomeQuality parameter returned by tran_GetLocalState could not be recognized.

System Action: The Name Server halts.

Administrator Action: Insure that Encina is running properly and then restart the Name Server.

NSRV0292 A Fileset transaction of type %d was aborted in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Descripton: To keep the fileset cache consistent the Name Server registers for the results of transaction outcomes. Apparently a transaction involving filesets has been aborted. This will cause the Name Server to remove the associated fileset from the cache.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0293 Got TranOutcome value %d from call to tran_GetLocalState in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: To keep the fileset cache consistent the Name Server registers for the results of transaction outcomes. The returned transaction outcome was unexpected.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0294 Got a Callback Operation value of %d. This is impossible. In %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The FilesetCallBack routine expects one of two possible values to be in the Operation field. Neither value was found.

System Action: The Name Server halts.

Administrator Action: Insure that Encina is running correctly and then restart the Name Server.

NSRV0295 Couldn't find fileset 0x%08x%08x in the cache in %s

Source Files Generating Error Message: cns_StatsPackage.c

Problem Description: The Name Server has just updated one of the Count fields in one of the FilesetAttrs records and is attempting to update the cached copy of the record. However it cannot find the record in the cache.

System Action: We log this interesting incident and continue.

Administrator Action: None.

NSRV0296 Consistency check failure in %s: Case=%d, SourceL=%d, SinkL=%d

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: When copying fileset cache fields there are two major cases and with these two major cases there are several sub-cases. Apparently we have encountered a case that is not covered by the exiting code.

System Action: We attempt to log all of the relevant information and then the Name Server halts.

Administrator Action: Restart the Name Server.

NSRV0297 Expected type file, but got type 0x%x from block %d in %s

Source Files Generating Error Message: cns_ReadDir.c

Problem Description: A sanity check has failed. The Name Server thought it was dealing with a file object, but discovered that it was dealing with some other type of object.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0298 Attempt to create %s by non-root/non-privileged client %d in %s

Source Files Generating Error Message: cns_Create.c

Problem Description: Only the Root user or a trusted user with write permission can create filesets.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0299 Gateway with UUID %s attempted to create in fileset 0x%08x%08x in %s

Source Files Generating Error Message: cns_Create.c, cns_Delete.c, cns_DeleteACL.c, cns_Link.c, cns_Rename.c, cns_SetACL.c, cns_Update.c, cns_UpdateACL.c

Problem Description: When creating or deleting objects in any fileset other than the local root fileset, the client must be either Root or the Gateway that owns the fileset. Apparently this client was neither.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0300 Fileset record whose root object is at RSN %d could not be found in %s

Source Files Generating Error Message: cns_Delete.c, cns_DeleteACL.c, cns_Link.c, cns_Rename.c, cns_SetACL.c, cns_Update.c, cns_UpdateACL.c

Problem Description: The Name Server is searching for a fileset cache entry, but cannot find it in the cache. In this particular case, the Name Server knows the Relative Sequence Number (RSN) of the fileset root object and is trying to locate the fileset cache entry using this RSN.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0301 Attempt to link file with root RSN %d to dir %d with root RSN %d in %s

Source Files Generating Error Message: cns_Link.c

Problem Description: An attempt was made to create a link to a file in a fileset.different from the one containing the file. This is not allowed.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0302 Attempt to create a non Local (%d) fileset with a zero GatewayUUID in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: When creating a Mirrored or Archive fileset, a non zero GatewayUUID must be supplied. The client set the FilesetAttrsBit indicating that a GatewayUUID was supplied, but the value of the GatewayUUID was zero.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0303 Attempt to create non Local fileset without supplying GatewayUUID in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: When creating a Mirrored or Archive fileset, a non zero GatewayUUID must be supplied. The FilesetAttrsBit for the GatewayUUID was not set. It must be set and a Gateway-UUID must be supplied.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0304 Got Status %d and WhichFile is 0x%02x in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: An error occurred while attempting to add a record to the database. Look at log entries having the same RequestId for more details.

System Action: The Name Server logs the error and continues.

Administrator Action: Insure that SFS is functioning correctly.

NSRV0305 Major inconsistency: WhichFile is %d, Options is 0x%08x in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server is attempting to read a GlobalFileset record. There are two possible cases for the Key: read by fileset name, or read by FilesetId. This wasn't either case.

System Action: The Name Server halts.

Administrator Action: Restart the Name Server.

NSRV0306 Major inconsistency in %s (0x%08x) in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: There are many possible I/O options that can be passed to NSBlkGetByKey. This particular request did not contain any of these options. This should be impossible.

System Action: The Name Server halts.

Administrator Action: Restart the Name Server.

NSRV0307 Global FilesetName '%s' with FSId 0x%08x%08x does not match RootFilesetName '%s' in SpecificConfig file in %s. Changing the SpecificConfig record!

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: While initializing the fileset files the Name Server detected that the root fileset name kept in the GlobalFileset record was different from the root fileset name kept in the specific configuration record. The fileset names should be the same. This log message informs one and all that this discrepancy exists and that the Name Server is going to attempt to make the names the same by changing the name in the specific configuration record.

System Action: The Name Server logs the event changes the name and continues.

Administrator Action: None.

NSRV0308 %s don't match for fileset '%s' (0x%08x%08x) in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The NameServerUUID for the root HPSS_ONLY fileset is kept in three places: the specific configuration record, in one of the GlobalFileset records, and in one of the FilesetAttrs records. During initialization the Name Server insures that the value of the NameServerUUID is the same in all three of these places. Apparently they are no longer all the same.

System Action: The Name Server halts.

Administrator Action: It may be necessary to repair the database to make all of the instances of the NameServerUUID be the same. NSDE can be used to help make these repairs.

NSRV0309 Root FSAttrs rec is MISSING for FS '%s' (0x%08x%08x)! Creating it in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: During initialization the Name Server has discovered that the root fileset record does not exist in the FilesetAttrs file! The Name Server is attempting to rectify this unexpected and unwanted situation. This log message signals the beginning of this attempt.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0310 Error %d (%s) from %s creating ObjBlock %d during initialization in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server is attempting to initialize the object block file and has encountered an error.

System Action: The Name Server halts.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0311 Error %d (%s) from %s %s FS '%s' with FSId 0x%08x%08x in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server is initializing. During this initialization process the Name Server has encountered an error while reading a FilesetAttrs record, or while creating a GlobalFileset record.

System Action: The Name Server halts.

Administrator Action: Insure that SFS is functioning properly and then restart the Name Server.

NSRV0312 Global FS '%s' (0x%08x%08x) exists, but has no matching FSAttrs FS in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: During initialization the Name Server discovered that the GlobalFileset record which contains the root fileset information exits, but the matching FilesetAttrs record does not exist. This message informs everyone that Name Server has discovered this discrepancy and is attempting to rectify it.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0313 FilesetAttrs record with FilesetName %s has a bad Type field (%d) in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: During initialization the Name Server read the root FilesetAttrs record and, as part of a consistency check, decided to check the Type of the record. Apparently the Type is wrong.

System Action: The Name Server halts.

Administrator Action: It may be necessary to manually repair the FilesetAttrs database. NSDE can be used for these repairs. Restart the Name Server.

NSRV0314 FSHandle in FSAttrs rec '%s' doesn't match handle to Root fileset in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: During initialization the Name Server read the root FilesetAttrs record and, as part of a consistency check, decided to check that the fileset handle in the FilesetAttrs record matches the fileset handle to object block zero. Apparently they didn't match.

System Action: The Name Server halts.

Administrator Action: The fileset handle in the FilesetAttrs record may have to be manually repaired. NSDE can be used for this purpose. Restart the Name Server.

NSRV0315 The FilesetCache was reloaded on %s in %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server has been asked to reload the fileset cache. This is a somewhat unusual request and so, is worthy of logging.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0317 Consistency check failure. OBlock %d is supposed to be a Junction in %s

Source Files Generating Error Message: cns_JunctionPackage.c

Problem Description: A consistency check has failed. The Name Server is attempting to read all of the Junction blocks from the object file, but has discovered that one of the blocks is not a Junction block.

System Action: The Name Server logs the event and continues.

Administrator Action: Insure that SFS is running correctly.

NSRV0318 Error %d (%s) from mm_UpdateALLNS while attempting to update %s in %s

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The Name Server has been asked to modify the root fileset name and/or FilesetId. While trying to update the specific configuration record, the Name Server received an error.

System Action: The Name Server logs the error and continues.

Administrator Action: Insure that SFS is running correctly.

NSRV0319 The %s must be %d not %d in %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: During fileset initialization a consistency check has failed. The Name Server has read the root FilesetAttrs record and is examining it. It has discovered a discrepancy in either the fileset type or in the fileset StateFlags.

System Action: The Name Server halts.

Administrator Action: Insure that SFS is functioning correctly and then restart the Name Server.

NSRV0320 Illegal Option (0x%08x) and/or ObjType (0x%04x) passed to %s. Loc %d, %s

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Name Server is examining the I/O options for correctness and has discovered a problem.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0321 An invalid FilesetId (0x%08x%08x) was passed to %s

Source Files Generating Error Message: cns_APIs.c, cns_FileSetPackage.c

Problem Description: The Name Server has been asked to change the root FilesetId, but the new FilesetId does not have the upper bit (in a 64-bit word) turned on.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0322 In %s the pathname for ObjectId=%d is too long

Source Files Generating Error Message: cns_JunctionPackage.c

Problem Description: The Name Server is attempting to read all of the Junction objects from the object file and construct PathNames to all of these Junction objects. While constructing the PathNames, the NameServer has discovered that one of the PathNames is too long.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0323 Error %d from %d call to %s in %s

Source Files Generating Error Message: cns_APIs.c

Problem Description: The Name Server has been asked to modify either the fileset name and/or the FilesetId, but has received an error while attempting to do so.

System Action: The Name Server logs the error and continues.

Administrator Action: Insure that SFS is functioning properly.

NSRV0324 Bad %s parameter(s) supplied to %s where %s = '%s'

Source Files Generating Error Message: cns_FileSetPackage.c

Problem Description: The Name Server is about to modify either the fileset name and/or the FilesetId and is consistency checking the input parameters. Apparently one or more of them are NULL.

System Action: The Name Server halts.

Administrator Action: Restart the Name Server.

NSRV0326 An attempt was made to create an object with a non-zero FamilyId in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: When creating an object the only legal value for the FamilyId field is zero.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0327 An attempt was made to set the FamilyId in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: The FamilyId can only be set at object creation time. The Name Server has detected an attempt to set it in an existing object. This cannot be done.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0328 The value of the FamilyId in object block %d is not zero in %s

Source Files Generating Error Message: cns_AttrPackage.c

Problem Description: At this point the value of all FamilyIds in the Name Serverõs database are zero. If we ever detect a FamilyId that is not zero, we report it!

System Action: The Name Server sets its operational state to suspect.

Administrator Action: It may be necessary to repair the database by setting the FamilyId to zero in the indicated block. NSDE can be used to make such settings.

NSRV0329 Access is denied: IntendedOp is 0x%02x, AvailablePerms is 0x%02x in %s

Source Files Generating Error Message: cns_Auth.c

Problem Description: For all client requests, the Name Server checks the access permissions to determine if the client has sufficient permission to perform the operation. Apparently this client did not have sufficient permission.

System Action: The Name Server logs the error and continues.

Administrator Action: None.

NSRV0330 Could not find entry with FilesetId 0x%08x%08x in the cache in %s

Source Files Generating Error Message: cns_StatsPackage.c

Problem Description: The Name Server was attempting to update one of the various object Counts that it maintains, but could not find the FilesetAttrs record in its fileset cache.

System Action: The Name Server logs the event and continues.

Administrator Action: None.

NSRV0331 The transaction Ids don't match in the %s macro in %s

Source Files Generating Error Message: cns_APIs.c, cns_BlockIOPackage.c

Problem Description: In the Name Serverõs implemtation of the transaction macros, the Name Server has detected that the transaction identifiers don't match as expected.

System Action: The Name Server halts.

Administrator Action: Insure that Encina is functioning properly and then restart the Name Server.

NSRV0332 Dumping the TX ring buffer in %s

Source Files Generating Error Message: cns_ShutDown.c

Problem Description: The Name Server is attempting to shut down, but has received an unrecoverable error from tx_close.

System Action: If the tx_close error is not the 'protocol' error the Name Server will dump the ring buffer and then continue shutting down.

Administrator Action: Insure that Encina is functioning properly and then restart the Name Server.

NSRV0333 Sanity check failure in END_TRANSACTION: Unexplained abort in %s.

Source Files Generating Error Message: cns_APIs.c, cns_BlockIOPackage.c

Problem Description: A sanity check failed in the Name Server's ON_ABORT macro. The flags indicating the reason for the abort were inconsistent.

System Action: The Name Server halts.

Administrator Action: Insure that Encina is functioning properly and then restart the Name Server.

NSRV0334 Sanity check failure in END_TRANSACTION: Trans Ids don't match in %s.

Source Files Generating Error Message: cns_APIs.c, cns_BlockIOPackage.c

Problem Description: A sanity check failed in the Name Server's ON_ABORT macro. The current transaction identifier does not match the saved parent transaction identifier. This should never happen.

System Action: The Name Server halts.

Administrator Action: Insure that Encina is functioning properly and then restart the Name Server.

NSRV0335 %s has updated the Type of EXISTING %s block '%d'.

Source Files Generating Error Message: cns_BlockIOPackage.c

Problem Description: The Type of object block zero has always been of type DIRECTORY in HPSS versions 3v2 and previous. However in a 4v1 object block file, the Type of object block zero is type FILESET_ROOT. This message is to inform one-and-all that the Name Server has made this change to object block zero in the current database.

System Action: The Name Server logs the event and continues

Administrator Action: None.

Chapter 23

Physical Volume Library Error Messages (PVLS Series)

PVLS0001 Entering <function>

Source Files Generating Error Message: pvl_api.c

Problem Description: The PVL is tracing the execution of a specific request. This is not an error condition.

System Action: None.

Administrator Action: None.

PVLS0002 Exiting <function>

Source Files Generating Error Message: pvl_api.c

Problem Description: The PVL is tracing the execution of a specific request. This is not necessarily an error condition, but an error code may be displayed along with the message.

System Action: None.

Administrator Action: None.

PVLS0004 Returned <function>

Source Files Generating Error Message: pvl.c, pvl_client.c, pvl_import.c, pvl_mm.c, pvl_mount.c, pvl_mvr.c, pvl_poll.c, pvl_pvr.c, pvl_util.c

Problem Description: A function called internally by the PVL returned an unexpected error condition.

System Action: The client request will fail.

Administrator Action: Examine the function which failed and the return code. Check for possible DCE or system errors.

PVLS0006 Job canceled, client notify failed, jobid = <jobid>

Source Files Generating Error Message: pvl_client.c

Problem Description: The PVL was unable to notify its client of a mount. JobID is the internal PVL jobid associated with the canceled job.

System Action: The client's mount job is aborted.

Administrator Action: Check DCE and Storage Server logs for an indication of why the PVL was unable to contact its client.

PVLS0011 Dismount reason: no request ready

Source Files Generating Error Message: pvl_mount.c

Problem Description: The PVL is dismounting a cartridge from a drive because the cartridge was mounted when the request was not yet ready.

System Action: The cartridge will be put away.

Administrator Action: None

PVLS0012 Dismount reason: no request pending

Source Files Generating Error Message: pvl_mount.c

Problem Description: The PVL is dismounting a cartridge from a drive because there is no request pending for that cartridge.

System Action: The cartridge will be put away.

Administrator Action: None

PVLS0014 PVL Shutdown

Source Files Generating Error Message: pvl_util.c

Problem Description: The PVL is shutting itself down.

System Action: The PVL will terminate itself as gracefully as possible.

Administrator Action: If shutdown reason is unknown, investigate reason for termination in log.

PVLS0016 Malloc failed (or)
Malloc failed, function = <function name>

Source Files Generating Error Message: pvl_admin.c, pvl_job.c, pvl_malloc.c, pvl_pvr.c

Problem Description: The PVL was unable to get additional space for an internal structure.

System Action: Varies depending on the reason for the requested space.

Administrator Action: Check to see if the PVL has grown too large to gather more space. Not being able to get malloc space is very serious. Consider restarting the PVL.

PVLS0017 Job deleted on restart, inconsistent, jobid = <jobid>

Source Files Generating Error Message: pvl_job.c

Problem Description: Upon restart of the PVL, it tries to restart jobs that were in progress when the PVL went down. This message is generated when an inconsistency in the state of a restarting job is detected.

System Action: The job with inconsistent state is aborted.

Administrator Action: None

PVLS0021 DCE error, function = ss_MountCallback

Source Files Generating Error Message: pvl_client.c

Problem Description: The PVL could not perform a MountCallback to the Storage Server to tell it the final status of a requested mount.

System Action: The PVL will abort the entire job that included the specified mount.

Administrator Action: Check to be sure that the Storage Server is up and functioning. Check for possible DCE errors. Since the Storage Server will never hear about the mount in question, consider restarting the Storage Server to reestablish a consistent state.

PVLS0022 SSM config data missing, will not contact SSM, arg = <uuid of SSM>

Source Files Generating Error Message: pvl_mm.c

Problem Description: A failure occurred while trying to get information about the SSM out of configuration files.

System Action: The PVL will continue working without any connection to the SSM.

Administrator Action: Check that PVL configuration files are set up properly in regard to SSM connections. Check Encina logs for troubles. Once corrected, the PVL will have to be restarted to affect a connection with the SSM.

PVLS0023 PVR config data missing, will not contact PVR, arg = <uuid of PVR>

Source Files Generating Error Message: pvl_pvr.c

Problem Description: A failure occurred while trying to get information about a PVR out of configuration files.

System Action: The PVL will continue working without any connection to the PVR in question.

Administrator Action: Check that PVL configuration files are set up properly in regard to PVR connections. Check Encina logs for troubles. Once corrected, the PVL will have to be restarted to affect a connection with the PVR in question.

PVLS0025 SIGNAL

Source Files Generating Error Message: pvl.c

Problem Description: The PVL received a signal.

System Action: The PVL is terminated if the signal was not SIGHUP, otherwise the PVL continues to function.

Administrator Action: Investigate source of signal.

PVLS0026 job deleted on restart, Drive Queue inconsistent (or) Drive Queue inconsistent, jobid = <jobid>

Source Files Generating Error Message: pvl_job.c

Problem Description: An attempt to rebuild the PVL's drive queue as it was coming up has failed.

System Action: The PVL deletes offending job and attempts to continue.

Administrator Action: None.

PVLS0029 Number of drives changed, drive = <count of drives PVR is supposed to have>

Source Files Generating Error Message: pvl_admin.c, pvl_pvr.c

Problem Description: Upon initialization, the PVL believes that the number of drives in the system changed while the PVL was down or an error occurred attempting to create a new drive.

System Action: The extra drive(s) are not configured into the system.

Administrator Action: Check metadata logs for any errors. Check PVL configuration file for consistency.

PVLS0030 Drive in use

Source Files Generating Error Message: pvl_admin.c, pvl_mount.c

Problem Description: The PVR returned a mount completed on a drive we already believe has a cartridge mounted. Return an error to PVR. Also will be returned when setting attributes of a busy drive.

System Action: None

PVLS0034 Dismount reason: restart, no request pending

Source Files Generating Error Message: pvl_job.c

Problem Description: The PVL is dismounting a cartridge from a drive because the cartridge was found on a drive during PVL restart, but there is no request pending for the cartridge.

System Action: The cartridge will be put away.

Administrator Action: None

PVLS0036 Dismount reason: mounted on wrong drive

Source Files Generating Error Message: pvl_mount.c

Problem Description: The PVL is dismounting a cartridge from a drive because it was requested on a specific drive other than the one on which it was mounted.

System Action: The cartridge will be put away.

Administrator Action: This condition can occur if a drive is marked as "Locked" in the PVL, but not actually taken off-line in the robot. In this case the robot may still mount a tape to the drive and tell the PVL, but the PVL will not accept the mount. The administrator should ensure that the drive state in the PVL matches the actual state of the drive in the robot. This condition can also occur if HPSS is sharing a robot with other tape software. In this case, the PVR configuration option which indicates that “The Client Selects Drives" must be set or the PVR may mount a tape in one of the robot's drives that is being used by other tape software. After toggling the option in the PVR configuration, the PVL and PVR must be restarted.

PVLS0040 Gave up after many tries

Source Files Generating Error Message: pvl_pvr.c

Problem Description: The PVL was unable to contact a PVR and gave up after many retries.

System Action: The request is aborted. This occurs only on dismount requests and notifications of completed mounts. Mount requests continue to retry until they succeed or are canceled.

Administrator Action: Check the state of the PVR controlling the specified drive.

PVLS0041 Dismount reason: mount failed

Source Files Generating Error Message: pvl_import.c, pvl_mount.c, pvl_poll.c

Problem Description: The PVL is dismounting a cartridge from a drive because the job failed to mount all the cartridges it requested.

System Action: The cartridge will be put away.

Administrator Action: None

PVLS0042 Dismount reason: wrong volume on drive

Source Files Generating Error Message: pvl_mount.c

Problem Description: The PVL is dismounting a cartridge from a drive because the internal label on the cartridge does not match the cartridge ID which the PVR supplied to the PVL.

System Action: The cartridge will be put away.

Administrator Action: Inspect cartridge for internal/external label mismatch.

PVLS0043 Dismount reason: unlabeled

Source Files Generating Error Message: pvl_mount.c, pvl_poll.c

Problem Description: The PVL is dismounting a cartridge from a drive because an unlabeled tape was mounted in the drive and there is no pending import.

System Action: The cartridge will be put away.

Administrator Action: This will normally occur when a blank cartridge is manually placed in a drive. It is possible for this error to occur when attempting to import tapes using operator mounted drives. In this case the PVL will not accept the tape unless the PVR's configuration option is set to specify that "The PVR Does Not Notify The Client When a Tape is Mounted." If the option is toggled, the PVL and PVR must be restarted.

PVLS0044 Dismount reason: foreign label

Source Files Generating Error Message: pvl_mount.c

Problem Description: The PVL is dismounting a cartridge from a drive because it contains a non-hpss label (such as a standard ANSI label), and the volume is not identified as a foreign volume OR the cartridge contains an hpss label and the volume is identified as a foreign volume.

System Action: The cartridge will be put away.

Administrator Action: If this occurs mounting a tape that is part of the HPSS system, the tape or drive may be failing. If the intent is to import a pre-labeled tape the import request must correctly identify it as either hpss or foreign. If the error occurs while trying to import a scratch tape, then it is likely that the tape was not fully degaussed or has some user data on it. If this is the case, the tape must be manually erased before HPSS will overwrite it during an import. It is not necessary to erase all data on the tape, simply mount it in a drive that is not part of the HPSS system and write two tapemarks at the beginning of the tape. Then retry the HPSS import operation.

PVLS0045 Dismount reason: non-labeled

Source Files Generating Error Message: pvl_import.c, pvl_mount.c, pvl_poll.c

Problem Description: The PVL is dismounting a cartridge from a drive because the tape has data on it and no internal label.

System Action: The cartridge will be put away.

Administrator Action: If the intent is to import it as a scratch tape, the tape must be manually erased before HPSS will overwrite it during an import. It is not necessary to erase all data on the tape, simply mount it in a drive that is not part of the HPSS system and write two tapemarks at the beginning of the tape. Then retry the HPSS import operation.

PVLS0046 Dismount reason: wrong PVR

Source Files Generating Error Message: pvl_import.c

Problem Description: The PVL is dismounting a cartridge from a drive because it was mounted on a drive controlled by the wrong PVR.

System Action: The cartridge will be put away.

Administrator Action: If this is an import operation the operator must specify the correct PVR, or mount the volume on a drive in the intended PVR.

PVLS0047 Cache overflow

Source Files Generating Error Message: pvl_mm.c

Problem Description: The PVL ran out of space in its array of active client information.

System Action: The PVL waits for three seconds and tries to get into the client cache again, looping until it is successful.

Administrator Action: Consider increasing the size of the client information cache.

PVLS0050 Internal error, arg = AvailDrives or arg = DriveTableLimit exceeded or arg = Drive Queue inconsistency

Source Files Generating Error Message: pvl_admin.c, pvl_dismount.c, pvl_import.c, pvl_mount.c

Problem Description: An internal table or structure is inconsistent or damaged.

System Action: None.

Administrator Action: Check logs for errors. Check PVL and PVR configuration files for consistency.

PVLS0051 Client attempted to mount a volume it does not have allocated

Source Files Generating Error Message: pvl_mount.c

Problem Description: A client requested the mount of a volume that is either unallocated or is allocated to another client.

System Action: The mount request will fail.

Administrator Action: This error indicates a serious inconsistency between the PVL and SS. If no data is on the volume in question, attempt to export the volume from the system, then re-import it.

PVLS0052 Volume allocated to another client

Source Files Generating Error Message: pvl_admin.c, pvl_import.c, pvl_mount.c

Problem Description: Attempted a operation on a cartridge which is allocated to another client.

System Action: The operation request will fail.

Administrator Action: This error indicates a serious inconsistency between the PVL and SS

. If no data is on the volume in question, attempt to export the volume from the system,

then re-import it.

PVLS0053 Cache Underflow

Source Files Generating Error Message: pvl_mm.c

Problem Description: A message was not available to send to the SSM when expected.

System Action: None

Administrator Action: None

PVLS0054 No drives of this type in this PVR

Source Files Generating Error Message: pvl_activity.c, pvl_import.c, pvl_mount.c

Problem Description: The drive type for the requested operation is not available.

System Action: The client request will fail.

Administrator Action: Check the log for the drive type specified and compare that with the drives configured in the PVL.

PVLS0055 Invalid DriveOption and/or DriveCount

Source Files Generating Error Message: pvl_mount.c

Problem Description: The mount drive list is bad.

System Action: Mount will fail.

Administrator Action: Check the PVL drive configuration. You may have to recycle the PVL if the error recurs.

PVLS0056 Job not found in queue

Source Files Generating Error Message: pvl_admin.c, pvl_dismount.c, pvl_mount.c

Problem Description: A job related to an operation (mount, dismount, set attributes) was not found.

System Action: Operation fails.

Administrator Action: None

PVLS0057 Drive Type conflict

Source Files Generating Error Message: pvl_import.c pvl_mount.c

Problem Description: The type of the volume does not match the drive type.

System Action: The client request will fail.

Administrator Action: Check the PVL drive configuration and compare to volume request types.

PVLS0058 Operation improper for this job type

Source Files Generating Error Message: pvl_mount.c

Problem Description: The requested operation is a multi-mount job but the job type does not reflect the correct state.

System Action: The client request will fail.

Administrator Action: If this recurs it may reflect an error in the client request or an internal PVL error.

PVLS0059 Operation invalid in this job state

Source Files Generating Error Message: pvl_mount.c

Problem Description: The requested operation is a multi-mount job but the job state does not reflect the correct state.

System Action: The client request will fail.

Administrator Action: If this recurs it may reflect an error in the client request or an internal PVL error.

PVLS0060 Operation requested by improper client

Source Files Generating Error Message: pvl_admin.c, pvl_dismount.c, pvl_mount.c

Problem Description: Client requesting current operation is not the client which initiated the operation.

System Action: The request fails

Administrator Action: None

PVLS0061 Invalid Drive ID

Source Files Generating Error Message: pvl_admin.c, pvl_dismount.c, pvl_mount.c

Problem Description: The drive specified in the operation was not found.

System Action: The client request will fail.

Administrator Action: If error recurs, check the PVL drive configuration.

PVLS0062 Mounted on disabled drive

Source Files Generating Error Message: pvl_mount.c

Problem Description: The PVR has completed a mount on a drive which is no longer enabled.

System Action: The PVL will return an error to the PVR and the PVR will mount the cartridge in another drive.

Administrator Action: None

PVLS0063 Job recovery failed due to metadata inconsistency

Source Files Generating Error Message: pvl_activity.c, pvl_job.c

Problem Description: On restart, a job was not recovered due to activity/job inconsistency.

System Action: Job is removed and any resources held by job are released.

Administrator Action: None

PVLS0065 Drive/Job metadata inconsistency

Source Files Generating Error Message: pvl_activity.c, pvl_pvr.c

Problem Description: On restart while recovering activities, the drive table is inconsistent with information in the activity.

System Action: Job is removed and any resources held by job are released.

Administrator Action: None

PVLS0066 PVR uuid Not found

Source Files Generating Error Message: pvl_admin.c, pvl_import.c, pvl_mount.c, pvl_pvr.c

Problem Description: An operation requested for a PVR which is not found in the PVL's PVR table.

System Action: The client request will fail.

Administrator Action: Check the PVL configuration. A new PVR may have been added, the PVL may have to be recycled in order for the new PVR to be included in the PVL's table.

PVLS0067 DriveList excludes all enabled drives

Source Files Generating Error Message: pvl_mount.c

Problem Description: The drive list specified by the client does not include a available drive.

System Action: The client request fails.

Administrator Action: Check the status of the drives in system.

PVLS0068 Volume not found in metadata

Source Files Generating Error Message: pvl_import.c, pvl_mount.c

Problem Description: The volume does not exist or a metadata read error occurred while attempting to access it.

System Action: The client request will fail.

Administrator Action: If error recurs, check metadata logs for errors.

PVLS0069 Cartridge already included in this job

Source Files Generating Error Message: pvl_mount.c

Problem Description: A multi-mount job requested two mounts for the same cartridge (two sides on the same cartridge).

System Action: The client request will fail.

Administrator Action: None

PVLS0070 Import cancelled due to mount failure

Source Files Generating Error Message: pvl_import.c

Problem Description: The mount failed while importing cartridge.

System Action: The import request fails.

Administrator Action: Check specific mount error message for mount failure reason.

PVLS0072 Import cartridge already exists

Source Files Generating Error Message: pvl_import.c

Problem Description: An import operation already is in progress for this cartridge.

System Action: The client request fails.

Administrator Action: If error recurs, check the jobs in the PVL for import status. Also check the log for the origin of the duplicate import requests.

PVLS0073 Volume not found in job

Source Files Generating Error Message: pvl_dismount.c

Problem Description: The PVL contains no reference to the volume requested to be dismounted.

System Action: The client request fails.

Administrator Action: None

PVLS0074 Function not allowed for Generic object

Source Files Generating Error Message: pvl_admin.c, pvl_import.c, pvl_mount.c

Problem Description: An operation(mount,import,export,allocate volume) was requested for the generic object.

System Action: The client request fails.

Administrator Action: None

PVLS0075 Not enough drives of this type (in this PVR) for this request

Source Files Generating Error Message: pvl_job.c

Problem Description: When a drive is made unavailable, the PVL will check existing jobs for a drive starvation condition.

System Action: If a job will end up in a drive starvation condition because the number of available drives is below the number that the job requires. The job is dismounted

Administrator Action: None

PVLS0076 All drives of this type (in this PVR) are disabled

Source Files Generating Error Message: pvl_import.c, pvl_mount.c

Problem Description: All the drives for the requested operation are disabled.

System Action: The client request will fail.

Administrator Action: Check on the disabled drives.

PVLS0077 Number of volumes changed

Source Files Generating Error Message: pvl_pvr.c

Problem Description: On restart, the total number of volumes in the PVL changed.

System Action: Sets the metadata to the new value and notifies SSM

Administrator Action: None

PVLS0078 Gave up pvr_MountCompleted after many tries

Source Files Generating Error Message: pvl_pvr.c

Problem Description: Unable to connect to the PVR in order to notify the server that a mount completed.

System Action: None

Administrator Action: Check the state of the PVR, check log for general communication problems.

PVLS0079 Drive Queue Inconsistent, job removed from queue temporarily

Source Files Generating Error Message: pvl_job.c, pvl_mount.c

Problem Description: On restart, the job entry has a drive field which is inconsistent. Clear the field.

System Action: Will attempt to reconstruct the drive list at a later stage of job recovery.

Administrator Action: None

PVLS0080 Move: Cartridge already in Destination PVR

Source Files Generating Error Message: pvl_import.c
Problem Description: Attempting to move a cartridge into a PVR it already resides in.
System Action: The client request will fail.
Administrator Action: None

PVLS0081 Drive disabled

Source Files Generating Error Message: pvl_admin.c, pvl_mount.c
Problem Description: On restart if a drive is not enabled, log.
System Action: None
Administrator Action: None

PVLS0082 Operation invalid on non-removable media

Source Files Generating Error Message: pvl_admin.c, pvl_import.c
Problem Description: Volume or Drive set attributes operation on invalid type.
System Action: The client request will fail.
Administrator Action: None

PVLS0083 Drive already exists

Source Files Generating Error Message: pvl_admin.c
Problem Description: Attempt to create a drive which already exists.
System Action: The client request will fail.
Administrator Action: Check the current drive configuration for duplicate info.

PVLS0084 MVR config data missing, will not contact MVR

Source Files Generating Error Message: pvl_mm.c
Problem Description: Unable to get mover server information from metadata.
System Action: PVL will be unable to communicate with mover.
Administrator Action: Check logs for metadata errors, may have to recycle PVL.

PVLS0086 Non-removable import failed - VolumeID not found

Source Files Generating Error Message: pvl_import.c
Problem Description: The non-removable import (usually disk) failed because the PVL doesn't have a reference to it in it's internal drive table.
System Action: The import request fails.
Administrator Action: The drive must first be created before it can be imported. The PVL provides an api to create a drive. Check the PVL drives metadata, PVL may have to be recycled.

PVLS0087 Function not allowed while volume is allocated

Source Files Generating Error Message: pvl_admin.c, pvl_import.c, pvl_mount.c

Problem Description: While attempting to write the volume label, the volume was found to be allocated.

System Action: The write volume label request will fail.

Administrator Action: Check the reason for rewrite of label and the volume status.

PVLS0088 Dismount reason: label verified

Source Files Generating Error Message: pvl_import.c

Problem Description: label verified on import - informational.

System Action: None

Administrator Action: None

PVLS0089 Dismount reason: label types differ

Source Files Generating Error Message: pvl_import.c

Problem Description: The import is not type scratch and the label read from cartridge does not match the import request.

System Action: The import request fails.

Administrator Action: If you're sure there's nothing valid on the cartridge, set the import type to scratch and retry the import.

PVLS0090 Dismount failed:

Source Files Generating Error Message: pvl_mvr.c

Problem Description: The PVL issued a rewind_and_elevate call to mover and the call failed.

System Action: The dismount will pend until call completes or until the drive state is set to locked.

Administrator Action: Check for the cause of the error, if error will continue for some time. The drive’s administrative state can be locked which will result in the PVL job completing . The cartridge will remain in the drive and will have to be manually dismounted and inventoried before it is again available to the system.

PVLS0091 Connection re-established

Source Files Generating Error Message: pvl_client.c

Problem Description: A connection to the Storage Server has been re-established.

System Action: Previously help callbacks to Storage Server can resume.

Administrator Action: None.

PVLS0092 Connection to PVR failed

Source Files Generating Error Message: pvl_pvr.c

Problem Description: PVL has lost connection to a PVR.

System Action: The PVL will periodically attempt to re-connect to the dis-connected PVR.

Administrator Action: Check status of PVR(is it running), check DCE status and possibility of stale binding in the endpoint map.

PVLS0093 Failure setting thread cancellability

Source Files Generating Error: Message: pvl_api.c

Problem Description: Unable to cancel thread cancellability.

System Action: API call to PVL will fail.

Administrator Action: If this recurs it may reflect a AIX/DCE library error.

PVLS0094 Dismount of volume Deferred

Source Files Generating Error Message: pvl_activity.c

Problem Description: Status message, delaying dismount of specified volume.

System Action: None.

Administrator Action: None

PVLS0095 Volume mounted(was Dismount Deferred)

Source Files Generating Error Message: pvl_activity.c

Problem Description: Status message, requested volume was already mounted(in deferred dismount state).

System Action: None.

Administrator Action: None

PVLS0096 Defer Dismounts in PVR

Source Files Generating Error Message: pvl_pvr.c

Problem Description: Status message, during initialization note that this PVR allows dismounts to be deferred.

System Action: None.

Administrator Action: None

PVLS0097 Do Not Defer Dismounts in PVR

Source Files Generating Error Message: pvl_pvr.c

Problem Description: Status message, during initialization note that this PVR does not allowdismounts to be deferred.

Administrator Action: None

PVLS0098 Dismounting Deferred Volume

Source Files Generating Error Message: pvl_dismount.c pvl_pvr.c pvl_util.c

Problem Description: Status message, physically dismounting a volume which was in deferred dismount state.

System Action: None.

Administrator Action: None

PVLS0099 Job dismounted/deleted on restart, deferred dismount

Source Files Generating Error Message: pvl_job.c

Problem Description: Status message, on restart physically dismount cartridges in deferred dismount state.

System Action: None.

Administrator Action: None

PVLS0100 Fatal initialization error:

Source Files Generating Error Message: pvl.c

Problem Description: Error initializing security for the server.

System Action: The server will terminate.

Administrator Action: Investigate, is this a happening to other servers. Possibly an ACL problem. If the error continues, call support.

PVLS0101 Cartridge is busy in another job:

Source Files Generating Error Message: pvl_import.c

Problem Description: A check that the cartridge attempted to be imported is not part of another PVL job. Used to prevent simultaneous imports of the same cartridge.

System Action: A busy error is returned to the caller.

Administrator Action: If error continues, check the PVL job queue for the cartridge and determine if its job is valid.

PVLS0102 Gave up Elevate: Drive Disabled:

Source Files Generating Error Message: pvl_mvr.c

Problem Description: For some reason (probably hardware error) the PVL has not been able to elevate a cartridge from a drive. Setting the PVL drive locked will allow the PVL job to complete.

System Action: Job completes, drive is disabled.

Administrator Action: The cartridge will remain mounted in the drive. It will have to be manually dismounted and inventoried to be made available to other drives.

PVLS0103 Dismounted activity still in job:

Source Files Generating Error Message: pvl_util.c

Problem Description: A debug message. An activity is dismounted but it still remains on the defer dismount queue.

System Action: None.

Administrator Action: Cancel the defer dismount job.

PVLS0104 Activity Released:

Source Files Generating Error Message: pvl_activity.c

Problem Description: Debug message used to track activity release.

System Action: None.

Administrator Action: None

PVLS0105 Shelf Tape in PVR

Source Files Generating Error Message: pvl_pvr.c

Problem Description: This message shows up during PVL initialization phase. It indicates the PVR support Shelf Tape feature.

System Action: None

Administrator Action: None

PVLS0106 Do Not Shelf Tape in PVR

Source Files Generating Error Message: pvl_pvr.c

Problem Description: This message shows up during PVL initialization phase. It indicates the PVR does not support Shelf Tape feature.

System Action: None

Administrator Action: None

PVLS0107 Recover shelf tape request

Source Files Generating Error Message: pvl_job.c

Problem Description: This is not an error. This message shows up when recycling the PVL process. It indicates there are pending Check In requests in the job queue.

System Action: None

Administrator Action: None

PVLS0109 Not enough drives unlocked or configured to satisfy job

Source Files Generating Error Message: pvl_mount.c

Problem Description: The system does not have enought drives available to satisfy the job.

System Action: Error HPSS_ETOOMANY returned to SS

Administrator Action: Investigate the number of drives. Drives may have been locked due to hardware or timeout errors.

PVLS0110 Activity previously in mount pending is now dismount pending

Source Files Generating Error Message: pvl_mount.c

Problem Description: Not an error case, it just notes(Event) that an activity which was in mount pending state before the PVL requested the PVR mount was found in dismount pending state after the PVR mounted the cartridge.

System Action: Cartridge is dismounted and activity released.

Administrator Action: This should be an infrequent case and is caused by canceling a job before the PVR mount completes.

Chapter 24

Physical Volume Repository Error Messages (PVRS Series)

PVRS0001 **Metadata manager error**

Source Files Generating Error Message: pvr_inject_eject.c, pvr_cart.c

Problem Description: PVR unable to communicate with metadata manager

System Action: Transaction aborted.

Administrator Action: Check Encina server and logs for error status.

PVRS0002 **Device error**

Source Files Generating Error Message: pvr_mount.c pvr_inject_eject.c pvr_dismount.c

Problem Description: The PVR has been notified by the PVL that an operation that the PVL had asked it to accomplish did not complete because of a device error.

System Action: The cartridge is recorded as a pending operation state.

Administrator Action: Check logs for information on failing device.

PVRS0003 **SFS error**

Source Files Generating Error Message: pvr_ofd.c

Problem Description: An error was encountered closing an Encina SFS ofd (open file descriptor). The PVR uses SFS to store its metadata.

System Action: PVR attempts to continue. If failed closes accumulate, error may occur.

Administrator Action: Check Encina server and logs for error status.

PVRS0032 "**Repository Cartridge Threshold**"

Source Files Generating Error Message: pvr_main.c

Problem Description: The number of cartridges in a PVR has exceeded a configuration threshold. A Threshold describing when to issue this alarm is configured into each PVR. It describes the maximum number of cartridges allowed in a PVR over which, an alarm will be generated.

System Action: Alarm generated as a warning when the threshold is exceeded. Alarm generated with no severity when the threshold is reset.

Administrator Action: Review the number of cartridges in the PVRs. Adjust inject and eject policies to stay within configured thresholds.

PVRS0034 Error notifying SSM of attribute change

Source Files Generating Error Message: pvr_notify.c

Problem Description: A request to notify the SSM was received which was not a valid operation.

System Action: Log entry generated, no corrective action taken.

Administrator Action: None

PVRS0035 Malloc returned NULL

Source Files Generating Error Message: pvr_pending_mounts.c, pvr_notify.c, ampex.c, stk.c 3494.c operator.c.

Problem Description: In pvr_pending_mounts, a malloc used to get space to store a pending mount failed. In pvr_notify.c and operator.c a malloc to prepare thread arguments failed. In ampex.c, 3494.c and stk.c a number of possible malloc failure points exist.

System Action: In pvr_pending_mounts the mount request is not sent to the SSM screen. In pvr_notify.c SSM notification is abandoned. In ampex.c and stk.c system action depends on where in the code the malloc failed. In operator.c the ManageMount thread is not called.

Administrator Action: Check to see if the PVR has grown to large to gather more space. Not being able to get malloc space is very serious. Consider restarting the PVL.

PVRS0040 DCE Error

Source Files Generating Error Message: pvr_notify.c pvr_util.c

Problem Description: Couldn't perform DCE specific operation, usually finding service or opening connection.

System Action: In ampex.c and stk.c the PVL is told that there is no problem so that it won't loop trying again. pvr_util.c: A connection to the PVL has gone bad, will attempt to reconnect. pvr_notify.c: A connection to the SSM has gone bad, will attempt to reconnect.

Administrator Action: Look for source of errors in DCE logs.

PVRS0041 Error spawning thread

Source Files Generating Error Message: pvr_notify.c, ampex.c, stk.c, pvr_util.c, pvr_pending_mounts.c, 3494.c operator.c

Problem Description: The PVR tried to fork a thread for a specific operation, but was unable to do so.

System Action: System action varies from termination of the PVR, to loss of the SSM notify thread or mount waiting thread.

Administrator Action: The inability to create a thread indicates possible operating system problems or overuse. Once system problems are fixed, restart PVR to ensure consistency.

PVRS0044 Ejecting Cartridge <cartridge>, manufacturer=<manufacturer>, began service <date>, last maintained <date>, total mounts <number of mounts>, mounts since last maintained=<number since last maint>

Source Files Generating Error Message: pvr_log.c

Problem Description: The PVR is ejecting a cartridge and logging specifics about that cartridge.

System Action: None - informational.

Administrator Action: None.

PVRS0045 Security Error

Source Files Generating Error Message: pvr_main.c
Problem Description: The PVR was unable to initialize its security context.
System Action: PVR is terminated.
Administrator Action: Check security logs for source of the problem.

PVRS0046 Ampex call returned an unknown error to log map routine, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: An undefined Ampex error was returned from Ampex library call.
System action: Request fails
Administrator Action: Ignore, unless recurring. Check Ampex error log.

PVRS0050 Exiting ampex device_Dismount

Source Files Generating Error Message: ampex.c
Problem Description: The PVR received a dismount request in which neither a drive or a cartridge was specified.
System Action: The dismount request returns in error.
Administrator Action: This is indicative of a bad client request. Investigate PVL or SSM client for invalid dismount requests.

PVRS0052 Exiting ampex device_Inject

Source Files Generating Error Message: pvr_ampex.c
Problem Description: The PVR could not query the Ampex robot on an inject.
System Action: The inject request returns in error.
Administrator Action: This is indicative of a problem with the Ampex robotics. Check Ampex logs.

PVRS0061 Error Locking AmpexLibLock

Source Files Generating Error Message: ampex.c
Problem Description: HPSS lock mutex call failed
System Action: PVR terminates
Administrator Action: Internal code error, notify HPSS software support.

PVRS0062 Error Unlocking AmpexLibLock

Source Files Generating Error Message: ampex.c
Problem Description: HPSS unlock mutex call failed.
System Action: PVR terminates
Administrator Action: Internal code error, notify HPSS software support.

PVRS0066 **Ampex chosen name conflicts with existing name, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Name already exists in database
System Action: The request will fail
Administrator Action: None

PVRS0067 **Ampex no data was found, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: No data found in Ampex Database.
System Action: Request will fail.
Administrator Action: Pursue why Ampex doesn't know about the cartridge. Use dstquerym to query database.

PVRS0068 **Ampex medium is mounted, and shouldn't be, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Medium is already mounted.
System Action: Request will fail.
Administrator Action: Investigate, database out of sync.

PVRS0069 **Ampex resource is locked, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: An attempt to lock a reserved drive was made.
System Action: Request will fail.
Administrator Action: Investigate, drive reserved through Ampex software but not known to HPSS. Use dststatus -d to check drive.

PVRS0070 **Ampex access is denied, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex PVR access rights aren't set.
System Action: All requests will fail until fixed. Use dstquerym to check permissions.
Administrator Action: Investigate, check owner and group access rights.

PVRS0072 **Ampex incorrect number or invalid arguments passed, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Invalid arguments to Ampex library call.
System Action: Request will fail.
Administrator Action: Internal code error, notify HPSS software support.

PVRS0073 **Ampex resource not available, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex resource is set offline.
System Action: Request will fail. Use dststatus to check resource.
Administrator Action: Investigate, Ampex resource offline and not known to HPSS

PVRS0074 **Ampex DCD Unknown error, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex drive daemon failed.
System Action: Request will fail.
Administrator Action: Investigate if the drive daemon (dcd) running on client.

PVRS0075 **Ampex media type not supported, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Media type(25GB, 75GB or 165GB) is invalid for this library.
System Action: Request will fail.
Administrator Action: Investigate, Illegal media type requested

PVRS0076 **Ampex request for resource timed out, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Request exceeded specified time limit.
System Action: Request will fail.
Administrator Action: Investigate, check resource for problem

PVRS0077 **Ampex resource cannot be reached, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Communication error
System Action: Request will fail.
Administrator Action: Investigate, check for network problem

PVRS0078 **Ampex library miniserver is down, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex library control processor down.
System Action: Request will fail.
Administrator Action: Investigate, check that daemon ms is running on the server

PVRS0079 **Ampex server is not reachable or is not responding, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex dvs daemon is not responding.
System Action: Request will fail.
Administrator Action: Investigate, check that daemon dvs is running on the server

PVRS0080 **Ampex client daemon is not reachable or is not responding, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex tcd daemon is not responding
System Action: Request will fail.
Administrator Action: Investigate, check that daemon tcd is running on the client.

PVRS0081 **Ampex internal error on client daemon, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Error returned from Ampex tcd daemon.
System Action: Request will fail.
Administrator Action: Investigate, check status of tcd daemon on the client.

PVRS0082 **Ampex internal error on miniserver, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Error returned from Ampex ms daemon.
System Action: Request will fail.
Administrator Action: Investigate, check status of ms daemon on the server.

PVRS0083 **Ampex internal error on drive control daemon, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Error returned from Ampex dcd daemon.
System Action: Request will fail,
Administrator Action: Investigate, check status of dcd daemon on the client

PVRS0084 **Ampex database has failed (oracle failure), cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex database failure.
System Action: Request will fail,
Administrator Action: Investigate, check daemon on the server for oracle failure

PVRS0085 **Ampex internal error on OIS, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex operator interface error.
System Action: Request will fail.
Administrator Action: Investigate, check that ois daemon is running

PVRS0086 **Ampex operator interface server down, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: The Ampex oi (operator interface) is not running.
System Action: Request will fail.
Administrator Action: Investigate, start oi, if it fails check that ois daemon is running

PVRS0087 Ampex DCD IO error, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c

Problem Description: Ampex drive control daemon i/o error.

System Action: Request will fail.

Administrator Action: Investigate, check status of drive, dcd daemon. Check ampex errlog with dsterrlog.

PVRS0088 Ampex no resources available, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c

Problem Description: No Ampex resources are online.

System Action: Request will fail.

Administrator Action: Investigate, resource offline in Ampex software but online to HPSS. Use dststatus to check Ampex resources.

PVRS0089 Ampex deadlock detected for a requested resource, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c

Problem Description: Deadlock condition for requested resource.

System Action: Request will fail.

Administrator Action: Investigate, report to HPSS software support.

PVRS0090 Ampex internally detected bad data value, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c

Problem Description: Bad value.

System Action: Request will fail.

Administrator Action: Investigate, check status of Ampex daemons (dvs, dcd, ms tcd).

PVRS0091 Ampex requested operation encountered syntax error (config file), cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c

Problem Description: Configuration error.

System Action: Request will fail.

Administrator Action: Investigate, report to HPSS software support.

PVRS0092 Ampex unknown drive, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c

Problem Description: Unknown drive specified.

System Action: Request will fail.

Administrator Action: Check that the resource name for the drive as output from dststatus matches the HPSS configuration. If they match, report to HPSS software support.

PVRS0093 **Ampex unknown medium, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Unknown medium specified.
System Action: Request will fail. Check ampex database with dstquerym.
Administrator Action: Investigate, HPSS specified cartridge unknown to ampex.

PVRS0094 **Ampex unknown volume, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Shouldn't see this error, we're not using volumes.
System Action: Request will fail.
Administrator Action: Investigate, HPSS specified cartridge unknown to the ampex.

PVRS0095 **Ampex unknown location, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Bad location specified.
System Action: Request will fail.
Administrator Action: Investigate, HPSS specified location unknown to ampex.

PVRS0096 **Ampex unknown pool, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Undefined pool specified.
System Action: Request will fail.
Administrator Action: Investigate, report to HPSS software support.

PVRS0097 **Ampex unknown dst, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Unknown library.
System Action: Request will fail.
Administrator Action: Investigate, developer or configuration problem. Check ampex resources with dststatus. Ampex configuration in the file /etc/hardware.conf.

PVRS0098 **Ampex unknown VFI - no medium with that VFI, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Bad VFI.
System Action: Request will fail.
Administrator Action: Investigate, HPSS/Ampex metadata conflict.

PVRS0099 **Ampex medium is evicted, and needs to be introduced, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: The medium is known to the database but does not have a location within the library. Needs to be allocated to a library location.

System Action: Request will fail.

Administrator Action: Investigate, Ampex has record of cartridge but the location specified is not within library. It must be allocated a location within library before access. Use dstquerym to check permanent location. Use dstintroduce to set the permanent location.

PVRS0100 **Ampex format mismatch, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Format mismatch.

System Action: Request will fail.

Administrator Action: Investigate, developer/configuration conflict.

PVRS0101 **Ampex vfi mismatch, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: VFI mismatch.

System Action: Request will fail.

Administrator Action: Investigate, external/internal if mismatch.

PVRS0102 **Ampex no imex slots available, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Import/Export locations are not available.

System Action: Request will fail.

Administrator Action: Investigate, import/export locations are occupied, remove cartridge(s) to allow operation.

PVRS0103 **Ampex no operator, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: The operator interface is offline.

System Action: Request will fail.

Administrator Action: Investigate, check that oi is running. If attempt to start oi fails. Check that the ois daemon is running.

PVRS0104 **Ampex medium is dismounted, and should be mounted, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Medium should be mounted.

System Action: Request will fail.

Administrator Action: Investigate, HPSS/Ampex metadata conflict. Administrator may have to issue a HPSS dismount to get metadata back in sync.

PVRS0105 **Ampex medium is not evicted, needs to be evicted, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Ampex medium should be evicted from library.

System Action: Request will fail.

Administrator Action: Investigate developer/configuration problem. Use dstquerym to check medium permanent location. Use dstevict to set the permanent location to evicted.

PVRS0106 **Ampex function not currently implemented, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: An unsupported Ampex function was called.

System Action: Request will fail.

Administrator Action: Investigate, developer problem.

PVRS0107 **Ampex resource is unknown to server, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Unknown resource.

System Action: Request will fail.

Administrator Action: Investigate, developer/configuration problem. Use dststatus to check ampex resources.

PVRS0108 **Ampex sequence number is unknown to client daemon, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Sequence number specified does not match any earlier outstanding requests processed or processing.

System Action: Request will fail.

Administrator Action: Investigate, check for recurring error, may note larger problem. Use dsterrlog to check ampex error log.

PVRS0109 **Ampex request is blocking, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Request blocking

System Action: Request will fail.

Administrator Action: Investigate, developer problem, requests are non-blocking. Use dsterrlog to check ampex error log.

PVRS0110 **Ampex client library call received unexpected callback, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Ampex client library received a callback notification when it wasn't expecting one.

System Action: Request will fail.

Administrator Action: Ignore, unless recurring.

PVRS0111 Ampex resource available for queuing but not use, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Resource offline.
System Action: Request will fail.
Administrator Action: Investigate, resource is offline but allowing queuing. Use dststatus to check resource.

PVRS0112 Ampex unknown sequence number, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Sequence doesn't match any request
System Action: Request will fail.
Administrator Action: Investigate, check for recurring error, may note larger problem.

PVRS0113 Ampex client detect of bad callback type, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Ampex client library received an invalid callback.
System Action: Request will fail.
Administrator Action: Ignore, unless recurring.

PVRS0116 Ampex generic failure, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Ampex library reports a an unspecified failure.
System Action: Request will fail.
Administrator Action: Ignore, unless for recurring (can check(dsterrlog) Ampex error log).

PVRS0117 Ampex lock attempted, already pending, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Lock is already pending
System Action: Request will fail.
Administrator Action: If error recurs, check status of locks. Could lead to deadlock situation.

PVRS0118 Ampex database not consistent, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Database inconsistent.
System Action: Request will fail.
Administrator Action: Investigate, check Ampex documentation for directions.

PVRS0119 **Ampex DCD configuration error, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Drive control daemon configuration error.
System Action: Request will fail.
Administrator Action: Investigate, developer/configuration error.

PVRS0121 **Ampex Unknown error, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex reports an error it doesn't understand.
System Action: Request will fail.
Administrator Action: Ignore, unless recurring.

PVRS0122 **Ampex vfi id conflicts with existing vfi id, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex code disagrees with HPSS vfi information.
System Action: Request will fail.
Administrator Action: Investigate, HPSS/Ampex conflict.

PVRS0123 **Ampex child resource operation disallowed due to parent state, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex Unix process problems have occurred.
System Action: Request will fail.
Administrator Action: Ignore, unless recurring.

PVRS0124 **Ampex lowest completion code that should inspire failure, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex code reports failure in completion code.
System Action: Request will fail.
Administrator Action: Ignore, unless recurring.

PVRS0125 **Ampex ACL is down, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c
Problem Description: Ampex library is down.
System Action: Request will fail.
Administrator Action: Investigate, check library, enlist Ampex hardware support if necessary. Use dststatus to check library state. Use dstactive to activate library status.

PVRS0126 Ampex request canceled, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Software has canceled an Ampex job (request).
System Action: Request will fail.
Administrator Action: Ignore, unless recurring.

PVRS0127 Ampex DCD down, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Drive daemon down.
System Action: Request will fail.
Administrator Action: Investigate, check that dcd daemon running on client, check drive, call technicians, take offline through HPSS.

PVRS0128 Ampex internal error on server, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Ampex codes have returned a generic internal error code.
System Action: Request will fail.
Administrator Action: Investigate, check daemons (tcd, dvs, dcd, ms).

PVRS0129 Ampex requested operation is illegal, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: An invalid operation was sent to the Ampex libraries.
System Action: Request will fail.
Administrator Action: Notify HPSS software support.

PVRS0130 Ampex memory fault internal to module, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Ampex software had memory access problems.
System Action: Request will fail.
Administrator Action: Ignore, unless recurring. Check(dsterrlog) Ampex error log.

PVRS0131 Ampex server has insufficient disk, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Ran out of disk space
System Action: Request will fail.
Administrator Action: Investigate, check disk space, add space if required.

PVRS0132 **Ampex medium is mounted, needs to be dismounted, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: HPSS and Ampex codes don't agree on mount status.

System Action: Request will fail.

Administrator Action: Investigate, HPSS / Ampex metadata conflict. Cartridge should be dismounted either through HPSS or via separate Ampex utility in order to sync HPSS / Ampex metadata.

PVRS0133 **Ampex volume is mounted, needs to be dismounted, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Metadata disagreement, should not occur as HPSS doesn't use volumes.

System Action: Request will fail.

Administrator Action: Investigate, developer problem (HPSS doesn't use volumes).

PVRS0134 **Ampex failed drive, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Hardware drive error.

System Action: Request will fail.

Administrator Action: Investigate, check error log(dsterrlog), check drive, take offline to HPSS.

PVRS0135 **Ampex can't position medium or robot to given address, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Hardware robot error.

System Action: Request will fail.

Administrator Action: Investigate, check robot, call technicians, prepare for manual mount environment if applicable.

PVRS0136 **Ampex date does not exist logging or other information, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Ampex date is non-existent.

System Action: Request will fail.

Administrator Action: Ignore, unless recurring, check Ampex error log.

PVRS0137 **Ampex device (tape or robot) experienced an unrecoverable error, cartridge = <cartridge>, drive = <drive>**

Source Files Generating Error Message: ampex.c

Problem Description: Hardware error.

System Action: Request will fail.

Administrator Action: Investigate, check error log(dsterrlog), check drive, if recurring call technicians, take offline through HPSS.

PVRS0138 Ampex operator interface not reachable or not responding, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Ampex operator interface daemon is not reachable.
System Action: Request will fail.
Administrator Action: Investigate, check that oi is running. If start fails check that ois is running.

PVRS0139 Ampex required component not locked to calling process, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: ampex.c
Problem Description: Lock required.
System Action: Request will fail.
Administrator Action: Investigate, developer or Ampex lost lock. Check lock with dststatus or dstquerym.

PVRS0140 Robot unable to find cartridge, cartridge = <cartridge>

Source Files Generating Error Message: pvr_dismount.c, pvr_mount.c, stk.c
Problem Description: Robotics failed to locate a requested cartridge.
System Action: Mount or dismount will fail.
Administrator Action: Investigate robotics for lost cartridge. Check location in database with dstquerym.

PVRS0141 STK unable to dismount cartridge due to audit, will retry, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c
Problem Description: An ongoing audit made dismounting a cartridge impossible.
System Action: Dismount will be retried.
Administrator Action: None.

PVRS0142 STK library unavailable, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c
Problem Description: The STK library is offline.
System Action: Requests in this library will fail.
Administrator Action: Investigate reason for offline library.

PVRS0143 STK drive offline, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c
Problem Description: The STK drive identified is offline.
System Action: Requests destined for this drive will not complete.
Administrator Action: Investigate reason for offline drive.

PVRS0144 STK LSM offline, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c
Problem Description: The LSM containing the identified drive is offline.
System Action: Requests destined for this LSM will not complete.
Administrator Action: Investigate reason for offline LSM.

PVRS0145 STK unable to eject cartridge(s)

Source Files Generating Error Message: stk.c
Problem Description: An eject from an STK library failed for one of many possible reasons.
System Action: The eject request(s) fail.
Administrator Action: Investigate log for details on failure.

PVRS0146 STK unable to eject cartridges(s), will retry

Source Files Generating Error Message: stk.c
Problem Description: An attempted eject from an STK library failed in a recoverable manner.
System Action: The eject is retried.
Administrator Action: Investigate log for details on failure.

PVRS0147 STK library unavailable, will retry

Source Files Generating Error Message: stk.c
Problem Description: The STK library is offline.
System Action: The PVR believes the offline state of the library is temporary and will retry.
Administrator Action: None.

PVRS0148 STK drive offline, will retry, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c
Problem Description: The STK drive identified is offline.
System Action: The PVR believes the offline state of the drive is temporary and will retry the request.
Administrator Action: None.

PVRS0149 STK LSM offline, will retry, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c
Problem Description: The STK LSM identified is offline.
System Action: The PVR believes the offline state of the LSM is temporary and will retry the request.
Administrator Action: None.

PVRS0150 STK CAP offline, will retry

Source Files Generating Error Message: stk.c
Problem Description: An STK CAP (Cartridge Access Port) is offline.
System Action: The PVR believes the offline state of the CAP is temporary and will retry the request.
Administrator Action: None.

PVRS0151 STK CAP offline

Source Files Generating Error Message: stk.c

Problem Description: An STK CAP (Cartridge Access Port) is offline.

System Action: The PVR aborts the request.

Administrator Action: Investigate logs and STK console logs for a reason for the CAP being offline.

PVRS0153 STK silo full, operation failed, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: A request to add cartridges to an STK LSM failed because it was full of cartridges.

System Action: The request fails.

Administrator Action: Examine site policies regarding the population of LSMs with cartridges.

PVRS0154 STK audit in progress, operation failed, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: A request arrived during an STK audit, which couldn't be completed during the audit.

System Action: The request fails.

Administrator Action: Abort the audit or wait until it completes and retry.

PVRS0155 STK hardware defined in HPSS does not exist, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: An invalid (non-existent) piece of hardware, or location in hardware was referenced by a request.

System Action: The request fails.

Administrator Action: Investigate PVR and STK configuration and hardware logs to determine the source and reason for invalid components or locations being referenced.

PVRS0156 STK detected duplicate cartridge label, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: A cartridge label was read, and it was found to be a duplicate within the STK robotics.

System Action: The request fails and an alarm is generated.

Administrator Action: Investigate the labels on both cartridges claiming to be the one in question.

PVRS0157 STK software unable to communicate with LMU, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: The PVR was unable to communicate with the STK Library Management Unit (LMU). The LMU receives and processes all requests for robotic movement for attached LSMs.

System Action: The request fails and an alarm is generated.

Administrator Action: The inability to communicate with an LMU means that no robotic actions can be requested of the STK hardware. This is a serious problem, and the LMU hardware and connections to the LMU should be looked at. This condition will occur if the STK SSI daemon is not running on the same machine as the HPSS PVR. It can also occur if ACSLS is not running, is a different level than the SSI daemon, or is running on a different machine than expected by the SSI. See the STK ACSLS Administration Guide for detailed instructions about properly configuring ACSLS and the SSI.

PVRS0158 STK found cartridge in unexpected location, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: A cartridge was found in a location different than where STK's metadata described.

System Action: The request fails and an alarm is generated.

Administrator Action: Investigate to find out how cartridges are being misplaced (human movement of cartridges when an LSM is down is likely). Consider performing audits to ensure location consistency.

PVRS0159 STK cartridge has a missing or unreadable external label, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: A cartridge was found with an unreadable external (paper label adhered to outside of cartridge).

System Action: The request fails and an alarm is generated.

Administrator Action: Make sure that robotic cameras are functioning correctly. If so, eject the cartridge in question and repair the label.

PVRS0160 STK cartridge in use or locked by non-HPSS application, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: The cartridge in question is either not an HPSS cartridge, or is considered in-use by the STK robotics software.

System Action: Action varies, typically the request will fail. An alarm is always generated.

Administrator Action: Investigate the cartridge identified to see if it is a valid HPSS cartridge, and how it is being used currently.

PVRS0161 STK denied access to cartridge or command, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: STK robotics software has refused a PVR request claiming that the PVR shouldn't have access to the cartridge or command issued.

System Action: The request will fail and an alarm is generated.

Administrator Action: STK console logs for details as to the reason for access denial.

PVRS0162 STK attempted to mount media in incompatible drive, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: An attempt was made to mount a cartridge in a drive that can not handle its media type.

System Action: The request will fail and an alarm is generated.

Administrator Action: Investigate the configuration information for both the cartridge and drive in question.

PVRS0163 STK ACS offline or idle, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: A request was made to an STK complex which is currently not taking requests.

System Action: The request will fail and an alarm is generated.

Administrator Action: Bring the ACS back online after investigating the reason that it was idled or taken offline.

PVRS0164 STK has no CAP with priority greater than 0 that is not in automatic enter mode, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: A request was made which required a Cartridge Access Port (CAP). An appropriate CAP was not available.

System Action: The request will fail and an alarm is generated.

Administrator Action: Use the STK ACSLS console to configure CAPS accordingly.

PVRS0165 STK port is offline, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: A request was made to an a library using a port that is offline.

System Action: The request will fail and an alarm is generated.

Administrator Action: Use the STK ACSLS console to investigate and configure the port correctly.

PVRS0166 STK gave unexpected return code or STK gave unexpected return code, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: The STK ACSLS software has responded to the STK PVR with an response that is not expected by the PVR.

System Action: The request will fail and an alarm is generated.

Administrator Action: Investigate STK ACSLS error logs for the source of the unexpected response.

PVRS0169 Unable to determine number of cartridges, using old value

Source Files Generating Error Message: pvr_main.c

Problem Description: The PVR failed in its attempt to access metadata to determine how many cartridges it managed.

System Action: The PVR will use the number of cartridges it last thought were in the library.

Administrator Action: Determine why PVR metadata is inaccessible.

PVRS0170 Number of cartridges changed since PVR was last started

Source Files Generating Error Message: pvr_main.c

Problem Description: When restarting, the PVR accessed metadata to determine the number of cartridges it managed and found that the number had changed since the PVR went down.

System Action: The PVR will use the new number of cartridges as reported by the PVRs metadata and will update configuration metadata to agree with the new number.

Administrator Action: It is suggested that operations modifying the number of cartridges in a PVR be accomplished when the PVR is up.

PVRS0173 Software error detected

Source Files Generating Error Message: stk.c, 3494.c

Problem Description: An error was detected in the STK or 3494 PVR during the set response or get response logic that handles responses traveling from PVR to subsystem (stk:ACSLS, 3494:ioctl).

System Action: System action varies, typically the current request fails.

Administrator Action: This error should never occur. If it does report to HPSS software support.

PVRS0174 STK drive in use or locked by non-HPSS application, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: A request was made to the STK ACSLS software to use a drive which ACSLS believes is in use.

System Action: The request fails.

Administrator Action: Investigate ACSLS console logs.

PVRS0175 STK drive not currently mounted, cartridge = <cartridge>, drive = <drive>

Source Files Generating Error Message: stk.c

Problem Description: A dismount request was requested to a drive that ACSLS believes is dismounted.

System Action: The dismount request fails.

Administrator Action: Investigate ACSLS console and PVR logs to determine whether the PVR really thinks the drive is occupied. Physically inspect the drive for a cartridge.

PVRS0176 3494 equipment check

Source Files Generating Error Message: 3494.c

Problem Description: The 3494 robot is notifying the host that it is available.

System Action: None.

Administrator Action: None.

PVRS0177 3494 library manager offline

Source Files Generating Error Message: 3494.c

Problem Description: The robot is offline.

System Action: Operation will fail.

Administrator Action: Place robot online before continuing HPSS operations.

PVRS0178 3494 control unit and library manager incompatible

Source Files Generating Error Message: 3494.c
Problem Description: Robot software not up to date.
System Action: Operation will fail.
Administrator Action: Contact CE to have robot software updated.

PVRS0179 3494 cartridge in use

Source Files Generating Error Message: 3494.c
Problem Description: Requested cartridge is currently in use.
System Action: Operation will fail.
Administrator Action: Determine if some system other than HPSS is using an HPSS cartridge.

PVRS0180 3494 output stations full, need to be unloaded

Source Files Generating Error Message: 3494.c
Problem Description: I/O station is full.
System Action: Future eject operations will be queued until I/O station is empty.
Administrator Action: Empty I/O station.

PVRS0181 3494 found missing cartridge

Source Files Generating Error Message: 3494.c
Problem Description: A cartridge that was missing was found in the robot.
System Action: None.
Administrator Action: None.

PVRS0182 3494 vision system failure

Source Files Generating Error Message: 3494.c
Problem Description: Bar code reader has failed.
System Action: Robot will operate in degraded mode.
Administrator Action: Call CE to repair bar code reader. HPSS operations should continue to work.

PVRS0183 3494 operator intervention required

Source Files Generating Error Message: 3494.c
Problem Description: Robot requires operator to fix conditions.
System Action: Operations will fail until robot is fixed.
Administrator Action: Check list of operator intervention items using console on back of robot. Correct items.

PVRS0184 3494 unexpected event occurred

Source Files Generating Error Message: 3494.c
Problem Description: Robot encountered error condition.
System Action: Unknown.
Administrator Action: Check robot logs to determine cause of failure.

PVRS0185 3494 all slots are full

Source Files Generating Error Message: 3494.c
Problem Description: Robot is full.
System Action: No more cartridges can be entered.
Administrator Action: Remove unused cartridges or buy a bigger robot.

PVRS0186 3494 ejected cartridge with label identical to one already in library

Source Files Generating Error Message: 3494.c
Problem Description: A duplicate cartridge was placed in the I/O slot.
System Action: Cartridge is ejected.
Administrator Action: Don't use identical bar code labels.

PVRS0187 3494 cartridge has a missing or unreadable external label

Source Files Generating Error Message: 3494.c
Problem Description: Cartridge has bad bar code label.
System Action: Cartridge is ejected.
Administrator Action: Cartridge can be given a virtual label if necessary.

PVRS0188 3494 cartridge removed by operator

Source Files Generating Error Message: 3494.c
Problem Description: A cartridge was removed when the door was opened.
System Action: Mounts for cartridge will fail.
Administrator Action: Replace cartridge in robot.

PVRS0189 3494 out of cleaning cartridges

Source Files Generating Error Message: 3494.c
Problem Description: Robot is out of cleaning cartridges.
System Action: Drive reliability will degrade.
Administrator Action: Add more cleaning cartridges.

PVRS0190 3494 unexpected cartridge ejected

Source Files Generating Error Message: 3494.c
Problem Description: Discovered unexpected cartridge.
System Action: Cartridge ejected.
Administrator Action: Determine why robot did not expect cartridge.

PVRS0191 3494 I/O station door opened, must be closed for eject to complete

Source Files Generating Error Message: 3494.c
Problem Description: I/O door is open.
System Action: Pending eject operations will be queued.
Administrator Action: Close I/O door.

PVRS0192 3494 drive exception or failure detected

Source Files Generating Error Message: 3494.c
Problem Description: Drive failure.
System Action: Reads and writes fail.
Administrator Action: Place drive offline in robot and in HPSS PVL until repaired.

PVRS0193 3494 environmental alert -- smoke detected

Source Files Generating Error Message: 3494.c
Problem Description: Robot's internal smoke detector has alarmed.
System Action: System failure imminent.
Administrator Action: Shutdown robot and call CE.

PVRS0194 3494 I/O station state changed

Source Files Generating Error Message: 3494.c
Problem Description: I/O station is full or was just emptied.
System Action: If I/O station is full, pending ejects will be queued.
Administrator Action: Empty I/O station if necessary.

PVRS0195 3494 library operational state changed

Source Files Generating Error Message: 3494.c
Problem Description: Robot state changed between online/offline/manual/auto mode.
System Action: If robot is offline, HPSS operations will fail.
Administrator Action: Determine if error caused state change.

PVRS0196 3494 operation canceled by software

Source Files Generating Error Message: 3494.c
Problem Description: Operation canceled.
System Action: None.
Administrator Action: None.

PVRS0197 3494 operation canceled due to error or because library put in manual mode

Source Files Generating Error Message: 3494.c
Problem Description: Operation canceled.
System Action: None.
Administrator Action: Determine reason for operation cancellation.

PVRS0198 3494 hardware failure detected

Source Files Generating Error Message: 3494.c
Problem Description: Robot failure.
System Action: HPSS operations will fail.
Administrator Action: Call CE.

PVRS0199 **3494 cartridge missing or inaccessible**

Source Files Generating Error Message: 3494.c
Problem Description: Cartridge unavailable.
System Action: HPSS operations using the cartridge will fail.
Administrator Action: Locate cartridge.

PVRS0200 **3494 no longer has cartridge in library**

Source Files Generating Error Message: 3494.c
Problem Description: Cartridge unavailable.
System Action: HPSS operations using the cartridge will fail.
Administrator Action: Locate cartridge.

PVRS0201 **3494 device offline or locked by non-HPSS application**

Source Files Generating Error Message: 3494.c
Problem Description: Drive is not available to HPSS.
System Action: HPSS operations using the drive will fail.
Administrator Action: If drive should not be available, it must be marked as "Locked" in the PVL.

PVRS0202 **3494 cartridge damaged**

Source Files Generating Error Message: 3494.c
Problem Description: Bad cartridge.
System Action: HPSS operations fail.
Administrator Action: Replace cartridge.

PVRS0203 **3494 library manager or device not configured or inaccessible**

Source Files Generating Error Message: 3494.c
Problem Description: The robot device, typically /dev/lmcp0, is not configured.
System Action: Operations fail.
Administrator Action: Configure device.

PVRS0204 **3494 command port device defined by HPSS_3494_COMMAND_DEVICE environment variable (default /dev/lmcp0) does not exist, is in use by another process, or is not a command port**

Source Files Generating Error Message: 3494.c
Problem Description: The robot device is unavailable to HPSS.
System Action: Operations fail.
Administrator Action: Define the device and make sure no other software is using it. See "3494" section of HPSS Administration guide for details.

PVRS0205 **3494 async port 0 device defined by HPSS_3494_ASYNC_DEVICE environment variable (default /dev/lmcp1) does not exist, is in use by another process, or is not an async port 0**

Source Files Generating Error Message: 3494.c

Problem Description: The robot device is unavailable to HPSS.

System Action: Operations fail.

Administrator Action: Define the device and make sure no other software is using it. See "3494" section of HPSS Administration guide for details.

PVRS0206 **3494 device in use**

Source Files Generating Error Message: 3494.c

Problem Description: Drive is in use.

System Action: Operations fail except in case of mount. Mount will be tried in another drive in the drive list.

Administrator Action: Determine what system is using an HPSS drive.

PVRS0207 **3494 hardware defined in HPSS does not exist**

Source Files Generating Error Message: 3494.c

Problem Description: The "Drive Address" defined for the HPSS drive in question is not a valid id of any of the drives in the robot.

System Action: Operation will fail.

Administrator Action: Determine the correct Drive Address values using the GetESANumbers program. Enter those values into the HPSS configuration and restart the PVL.

PVRS0208 **3494 returned unexpected error message**

Source Files Generating Error Message: 3494.c

Problem Description: Unexpected robot problem.

System Action: Operation fails.

Administrator Action: Check robot logs to determine reason for failure.

PVRS0210 **3494 no available output locations to eject cartridge, will retry**

Source Files Generating Error Message: 3494.c

Problem Description: All I/O slots are full.

System Action: Pending ejects will be queued.

Administrator Action: Empty I/O slots.

PVRS0211 **3494 no available output locations to eject cartridge, eject failed**

Source Files Generating Error Message: 3494.c

Problem Description: Gave up waiting for I/O slots to become available.

System Action: Pending ejects are failed.

Administrator Action: Empty I/O slots. Retry eject.

PVRS0213 3494 command port device is now accessible

Source Files Generating Error Message: 3494.c
Problem Description: HPSS now able to talk to robot.
System Action: None.
Administrator Action: None.

PVRS0214 3494 async port 0 device is now accessible

Source Files Generating Error Message: 3494.c
Problem Description: HPSS now able to talk to robot.
System Action: None.
Administrator Action: None.

PVRS0215 3494 sending too many notifications, some lost

Source Files Generating Error Message: 3494.c
Problem Description: Robot messages overflowed.
System Action: None.
Administrator Action: A serious error may exist if the robot is sending many alarms very quickly.

PVRS0218 3494 cartridge mounted, unable to eject, eject failed

Source Files Generating Error Message: 3494.c
Problem Description: Attempting to eject a mounted cartridge.
System Action: Eject will fail.
Administrator Action: Retry eject when cartridge is not mounted.

PVRS0221 Unable to open SFS file

Source Files Generating Error Message: pvr_ofd.c
Problem Description: PVR metadata is unavailable.
System Action: Operations fail.
Administrator Action: Configuration with name of SFS file may be wrong.

PVRS0223 Unable to update PVR Server Specific Configuration information

Source Files Generating Error Message: pvr_inject_eject.c, pvr_pvr.c
Problem Description: Unable to read metadata.
System Action: inject/eject will fail because metadata update fails. pvr_pvr.c: set attributes fails because metadata update fails.
Administrator Action: Investigate metadata call failures. Check that sfs is up and check logs.

PVRS0224 Unable to read Cartridge metadata

Source Files Generating Error Message: pvr_all.c, pvr_cart.c, pvr_dismount.c, pvr_inject_eject.c pvr_mount.c
Problem Description: Unable to read metadata.
System Action: Operations fail.
Administrator Action: Investigate metadata call failures. Check that sfs is up and check logs.

PVRS0225 Unable to update Cartridge metadata

Source Files Generating Error Message: pvr_cart.c, pvr_dismount.c, pvr_inject_eject.c, pvr_mount.c
Problem Description: Unable to edit metadata.
System Action: Operations fail.
Administrator Action: Investigate metadata call failures. Check that sfs is up and check logs.

PVRS0226 Unable to create a new entry in Cartridge metadata

Source Files Generating Error Message: pvr_inject_eject.c
Problem Description: Unable to edit metadata.
System Action: Cartridge inject fails.
Administrator Action: Investigate metadata call failures. Check that sfs is up and check logs.

PVRS0228 Unable to confirm client's identity

Source Files Generating Error Message: pvr_mount.c
Problem Description: Client does not have sufficient credentials.
System Action: Client request rejected.
Administrator Action: None.

PVRS0229 Client requested mount of a cartridge side that does not exist

Source Files Generating Error Message: 3494.c
Problem Description: Client believes media has more sides than it does.
System Action: Mount fails.
Administrator Action: Export cartridge and re-import.

PVRS0230 The PVR was told that it mounted a cartridge which is not defined in metadata

Source Files Generating Error Message: pvr_mount.c
Problem Description: Volume mounted doesn't exist in metadata.
System Action: Error logged.
Administrator Action: Physically check for the cartridge in drive. May have to manually dismount drive. Investigate logs to determine origin of mount request.

PVRS0231 The PVR was told that a cartridge was mounted, but was not told which drive

Source Files Generating Error Message: pvr_mount.c
Problem Description: Drive isn't known for the mount
System Action: Continues, drive isn't displayed.
Administrator Action: Ignore, unless recurring.

PVRS0232 hpss_PreInitConnections failed, PVR Terminating

Source Files Generating Error Message: pvr_main.c
Problem Description: HPSS DCE preinitialization failed.
System Action: PVR terminates.
Administrator Action: Check DCE servers and logs, advise HPSS software support.

PVRS0233 hpss_PreRegisterService failed, PVR Terminating

Source Files Generating Error Message: pvr_main.c
Problem Description: PVR failed to preregister it's interface.
System Action: PVR terminates.
Administrator Action: Check DCE servers and logs, advise HPSS software support.

PVRS0234 hpss_InitConnections failed, PVR Terminating

Source Files Generating Error Message: pvr_main.c
Problem Description: Failed to initialize HPSS connections
System Action: PVR terminates
Administrator Action: Check DCE servers and logs, advise HPSS software support.

PVRS0235 hpss_RegsiterService failed, PVR Terminating

Source Files Generating Error Message: pvr_main.c
Problem Description: Failed to register PVR interface
System Action: PVR terminates
Administrator Action: Check DCE servers and logs, advise HPSS software support.

PVRS0236 PVR signal handling thread encountered an error and is exiting

Source Files Generating Error Message: pvr_main.c
Problem Description: Signal handler thread is not running.
System Action: PVR continues but won't handle signals
Administrator Action: None, unless recurring.

PVRS0237 Unable to read PVR Generic Server Configuration

Source Files Generating Error Message: pvr_main.c
Problem Description: Unable to read PVR configuration metadata.
System Action: PVR terminates.
Administrator Action: Investigate sfs and check log.

PVRS0238 Unable to read SSM Generic Server Configuration

Source Files Generating Error Message: pvr_main.c
Problem Description: Unable to read SSM configuration metadata.
System Action: PVR terminates.
Administrator Action: Investigate sfs and check log.

PVRS0239 Unable to read PVL Generic Server Configuration

Source Files Generating Error Message: pvr_main.c
Problem Description: Unable to read SSM configuration metadata.
System Action: PVR terminates.
Administrator Action: Investigate sfs and check log.

PVRS0240 Unable to read the Generic cartridge metadata

Source Files Generating Error Message: pvr_main.c
Problem Description: Unable to read PVR cartridge metadata.
System Action: PVR terminates
Administrator Action: Investigate sfs and check log.

PVRS0244 Could not initialize security services

Source Files Generating Error Message: pvr_main.c
Problem Description: Security initialization failed.
System Action: PVR terminates
Administrator Action: Investigate dce and check logs

PVRS0245 Unexpected abort from Encina transaction

Source Files Generating Error Message: pvr_all.c pvr_cart.c pvr_dismount.c pvr_inject_eject.c pvr_main.c pvr_pvr.c
Problem Description: Metadata transaction was aborted.
System Action: In some cases the aborted transaction is critical and the PVR will terminate. In other cases the transaction aborts and the operation fails but the PVR continues.
Administrator Action: Investigate logs for origin of transaction abort reason.

PVRS0246 A cartridge was unexpectedly found mounted

Source Files Generating Error Message: pvr_mount.c
Problem Description: Non-HPSS software mounted an HPSS cartridge.
System Action: None
Administrator Action: None

PVRS0247 The PVR was asked to eject a cartridge that had already been removed from the robot

Source Files Generating Error Message: stk.c 3494.c
Problem Description: The cartridge is not in the library.
System Action: Eject continues
Administrator Action: None.

PVRS0248 Invalid Drive Address in STK PVR

Source Files Generating Error Message: stk.c
Problem Description: Drive ID in the wrong format
System Action: None
Administrator Action: None

PVRS0249 Invalid Drive Address in 3494 PVR

Source Files Generating Error Message: 3494.c
Problem Description: Drive ID in the wrong format
System Action: None
Administrator Action: None

PVRS0250 Error loading drive information from metadata

Source Files Generating Error Message: pvr_main.c

Problem Description: Didn't get a full list of drives from the PVL for this PVR

System Action: May continue in degraded mode.

Administrator Action: Investigate, the PVR may not be running with full set of drives known.

PVRS0251 Mount failed, no drives in the robot are empty and online, or the robot is offline

Source Files Generating Error Message: ampex.c stk.c 3494.c

Problem Description: No drives available for mount request. The PVL has sent down a request for a mount but there isn't a drive available. This shouldn't be a recurring error since the PVR should offline a drive which fails.

System Action: None

Administrator Action: None, unless error is recurring. If recurring, check drive status.

PVRS0252 Unexpected software failure accessing mutex

Source Files Generating Error Message: pvr_util.c

Problem Description: Failed to initialize HPSS mutex.

System Action: None

Administrator Action: None

PVRS0253 Controller id entered in configuration does not match actual 3494 controller id

Source Files Generating Error Message: 3494.c

Problem Description: 3494 Drive / Controller configuration error.

System Action: None

Administrator Action: Check configuration, controller id is bad.

PVRS0254 AMPEX error attempting to find location

Source Files Generating Error Message: ampex.c

Problem Description: Couldn't generate location

System Action: None

Administrator Action: None

PVRS0257 No drives are defined in SFS for this PVR

Source Files Generating Error Message: pvr_main.c

Problem Description: Unable to read PVL drive list from metadata. No drives will be defined for this PVR.

System Action: None

Administrator Action: Investigate sfs. PVR may have to be restarted.

PVRS0261 Cartridge not readable in drive, will retry in another drive

Source Files Generating Error Message: pvr_uitl.c

Problem Description: The PVR thought the mount was a success but the PVL didn't, the PVR will retry in another drive. A second possibility is that the number of retries attempts has been reached and the operation fails.

System Action: None

Administrator Action: None

PVRS0262 Cartridge not readable in too many drives, mount failed

Source Files Generating Error Message: pvr_mount.c pvr_uitl.c

Problem Description: The number of retries attempts has been reached and the operation fails.

System Action: Mount fails.

Administrator Action: If error recurring, investigate log to determine the drive which is causing the failure.

PVRS0263 Unexpected I/O failure communicating with 3494 library, device driver may be incorrectly configured

Source Files Generating Error Message: 3494.c

Problem Description: Expected when a cartridge has been manually ejected.

System Action: None

Administrator Action: None

PVRS0264 The PVR detected a drive that is offline, informing PVL

Source Files Generating Error Message: pvr_util.c

Problem Description: PVR advising PVL that a drive it thinks is online should be set to offline.

System Action: None

Administrator Action: None

PVRS0265 3494 PVR unable to dismount cartridge because it has not been unloaded from the drive

Source Files Generating Error Message: 3494.c

Problem Description: The cartridge must be elevated from the drive before the PVR can dismount it.

System Action: None

Administrator Action: Physically check the drive for the cartridge. May have to manually rewind and elevate with the tctl utility.

PVRS0266 This cartridge was not in the drive as expected

Source Files Generating Error Message: 3494.c

Problem Description: Cartridge in the drive doesn't match cartridge PVR was told to dismount.

System Action: None

Administrator Action: If recurring, dismount drive through the SSM.

PVRS0267 hpss_InitServer failed, PVR failed to initialize, terminating

Source Files Generating Error Message: pvr_main.c
Problem Description: HPSS server initialization failed.
System Action: PVR terminates
Administrator Action: Investigate log to determine reason for failure.

PVRS0268 Unable to read PVL server specific metadata

Source Files Generating Error Message: pvr_main.c
Problem Description: Metadata read failure
System Action: PVR terminates
Administrator Action: Investigate sfs

PVRS0270 Unexpected 3494 category error

Source Files Generating Error Message: 3494.c
Problem Description: Unexpected error
System Action: None
Administrator Action: None

PVRS0271 3494 drive not unloaded

Source Files Generating Error Message: 3494.c
Problem Description: Drive unloaded
System Action: None
Administrator Action: None

PVRS0272 3494 inaccessible cartridge restored

Source Files Generating Error Message: 3494.c
Problem Description: cartridge now available
System Action: None
Administrator Action: None

PVRS0273 3494 library not capable - manual mode

Source Files Generating Error Message: 3494.c
Problem Description: library is in manual mode.
System Action: None
Administrator Action: Restore library to auto mode.

PVRS0274 3494 library manager program exception

Source Files Generating Error Message: 3494.c
Problem Description: library manager error
System Action: None
Administrator Action: Investigate library logs.

PVRS0275 PVR unable to connect to SSM

Source Files Generating Error Message: pvr_notify.c
Problem Description: Connection to SSM is bad.
System Action: Connection restore is attempted.
Administrator Action: None, unless error recurring. Investigate logs and SSM status.

PVRS0276 PVR reestablished connection to SSM

Source Files Generating Error Message: pvr_notify.c
Problem Description: Successfully connected to SSM, previously disconnected.
System Action: None
Administrator Action: None

PVRS0277 PVR unable to connect to PVL

Source Files Generating Error Message: pvr_util.c
Problem Description: Unable to communicate with the PVL
System Action: PVR will periodically attempt to reconnect to the PVL
Administrator Action: Check PVL state, inspect logs for cause.

PVRS0278 PVR reestablished connection to PVL

Source Files Generating Error Message: pvr_util.c
Problem Description: Successfully connected to PVL, previously disconnected.
System Action: None
Administrator Action: None

PVRS0279 PVR request timed out, no response from robot

Source Files Generating Error Message: stk.c
Problem Description: Request sent to STK library, no response.
System Action: Mount will be retried.
Administrator Action: Investigate HPSS and robot specific logs for cause. Set the status to repaired to initiate the mount retry immediately.

PVRS0280 PVR waiting for mount status change before continuing

Source Files Generating Error Message: pvr_pending_mounts.c
Problem Description: A robot returned an error attempting to mount volume.
System Action: Mount request will be retried at intervals.
Administrator Action: Investigate HPSS and robot specific logs for cause. Set the status to repaired to initiate the mount retry immediately.

PVRS0281 Drive already in job, remove from mount drive list.

Source Files Generating Error Message: pvr_util.c

Problem Description: Status message, notes that a drive was removed from available drives to beused for this job.

System Action: None.

Administrator Action: None.

PVRS0282 3494 request TIMED-OUT, status unknown

Source Files Generating Error Message: 3494.c

Problem Description: The return response from an 3494 requested operation has been timed out. The response is no longer in the 3494 drive buffer.

System Action: In the case of a mount, the mount request will be reissued after a second timeout. Other calls will return an error.

Administrator Action: Check the 3494 status at the robot console, check system logs for drive errors. Check that the 3494 parent and child process are still running.

PVRS0283 Cleaning Cart. in drive, will suspend/retry

Source Files Generating Error Message: 3494.c

Problem Description: A cleaning cartridge was found in the only available drive for this cartridge mount.

System Action: The mount operation will suspend and the mount will be tried again.

Administrator Action: None.

PVRS0284 Fatal initialization error:

Source Files Generating Error Message: pvr_main.c

Problem Description: Error initializing security for the server.

System Action: The server will terminate.

Administrator Action: Investigate, is this a happening to other servers. Possibly an ACL problem. If the error continues, call support.

PVRS0285 ioctl to lmcpd process hanging -- Check lmcpd process

Source Files Generating Error Message: 3494.c

Problem Description: The 3494 daemon lmcpd can hang causing the 3494 PVR to hang. When detected, an error will be displayed and the Operational State of the PVR will be set to Major.

System Action: PVR operational state set to Major.

Administrator Action: Recycle lmcpd daemon and PVR.

PVRS0286 acs_response: Bad response type returned

Source Files Generating Error Message: stk.c

Problem Description: The invalid response type value is returned in message.

System Action: None

Administrator Action: Use the return value to check STK documentation for error cause

PVRS0287 Dismount Failed: Setting Drive Locked via PVL

Source Files Generating Error Message: 3494.c

Problem Description: The PVR was unable to dismount a cartridge from a drive.

System Action: The drive's PVL Administrative State is set to locked and is unavailable.

Administrator Action: Check the drive's status and manually dismount cartridge. Check errpt for hardware error and mtlib for drive status. When drive is available for further use, set drive state to unlocked.

PVRS0288 AML RPC failure

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: PVR could not send a request to the DAS server component or it did not reply.

System Action: None

Administrator Action: Verify that TCP/IP services are started on both workstation and the AMU controller OS/2 PC.

- Issue a rpcinfo -p command from the workstation to verify that the RPC services are started correctly
- Verify that the environment variable DAS_SERVER specifies the DAS server IP address or host name and that the host name can be resolved into an IP address.

PVRS0289 AML aci parameter invalid

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: PVR sent a request to the DAS with incorrect parameters.

System Action: None.

Administrator Action: Check the HPSS log file for additional information; this error indicates that the AML PVR may have passed incorrect data to DAS.

PVRS0290 AML volume not found of this type

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: PVR sent a request for a volume and the media type was mismatched.

System Action: None.

Administrator Action: Check the AMU AMS Log window and the AMU AMS configuration to verify that the volume and media type matched. User can issue the "dasadmin view" command to check the attribute of the volume.

PVRS0291 AML drive is not in ATL

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: PVR requested a drive that was not in the AMU AMS configuration.

System Action: None.

Administrator Action: Verify that the drive configuration in the DAS server configuration file matches the AMU AMS configuration and physical configuration in the archive.

PVRS092 AML requested drive is use

Source Files Generating Error Message: AmlPvrUtil.cc

Problem Description: The requested drive is in use.

System Action: None.

Administrator Action: This indicates a tape is mounted into the drive from outside of HPSS. Check to verify that the drive is unlocked and "polling" is on. This should disallow the attempts to use the drive reserved for HPSS.

PVRS0293 AML robot has a physical problem with the volume

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: PVR issued a request to move a volume, but the handling failed, or bar code could not be read.

System Action: None.

Administrator Action: If the robot move the volume to the EIF station, examine the cartridge, make sure the label is still attached and in good condition; issue the "dasadmin insert" command to put the cartridge back to the tower, retry to issue the command again.

PVRS0294 AML internal error in the AMU

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: An invalid return code from the AMU

System Action: None.

Administrator Action: Analyze the AMU AMS log window to determine the cause of the error. Correct the error if possible, and if the problem persists, call DAS support representative, since this may require restart DAS to clear the error.

PVRS0295 AML DAS was unable to communicate with the robot

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: The DAS server issued a request to the AMU AMS, but it did not response.

System Action: None.

Administrator action: Verify that the AMU AMS is running and that the log window does not show any communication errors. Shut down the DAS server; shut down the AMU AMS, and restart the AMS and then the DAS server.

PVRS0296 AML robotic system is not functioning

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: PVR issued a command to move the media, but the archive was unable to complete the request.

System Action: None.

Administrator Action: Use the AMU AMS log window to determine the problem, correct as necessary.

PVRS0297 AML AMU was unable to communicate with the robot

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: The robot did not response to the AMU request.

System Action: None.

Administrator Action: Verify that the robot is on-line, and the AMU AMS log window does not have communication errors. Correct the communication errors as necessary.

PVRS0298 AML DAS was not active

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: DAS server is not active.

System Action: None.

Administrator Action: Verify that the DAS server is active; start or restart DAS server. If the DAS initialization fails, verify that the AMU software is running and that the TCP/IP services is started.

PVRS0299 AML drive did not contain an unloaded volume

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: PVR issued a dismount request but the drive did not unload/eject the volume and the robot could not move the volume.

System Action: None.

Administrator Action: Try to issue the "mt -f /dev/rmtxx rewwoffl" command to unload the tape to verify that the drive is still capable to unload a tape.

PVRS0300 AML invalid registration

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: A request made by a client which is not defined in the DAS server configuration file.

System Action: If the Client Name is changed, the AML PVR needs to be recycled to pick up the new change.

Administrator Action: Verify that the Client Name set in the AML PVR Server Type Specific configuration is same as the client name defined in the DAS server configuration file.

PVRS0301 AML invalid host name or ip address

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: The supplied host name or TCP/IP address of the client's request did not match the DAS server/client configuration.

System Action: If the Client Name or Host Name is changed, the AML PVR needs to be recycled to pick up the new change.

Administrator Action: Verify that the Client Name and Host Name in the AML PVR Server Type Specific Configuration match the DAS server configuration file's.

PVRS0302 AML area name does not exist

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: PVR issued a request required an insert or eject area that is not configured for the PVR or is not in the AMU AMS configuration.

System Action: User needs to recycle the AMP PVR after the reconfiguration of the AML_EjectPort.conf and AML_InsertPort.conf so that the device_Init function can pick up the new changes.

Administrator Action: Verify that AMU AMS is configured for the requested insert or eject area; verify that the /var/hpss/etc/AML_EjectPort.conf and /var/hpss/etc/AML_InsertPort.conf are matched the AMU MAS configuration.

PVRS0303 AML client is not authorized to make this request

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: A request was made for an operation that required access privilege of "**complete**". Since the requesting client has only the "**basic**" access rights, the request is refused.

System Action: If the Client Name is changed, the AML PVR needs to be recycled to pick up the new change.

Administrator Action: Verify the access privilege of the client.

PVRS0304 AML dynamic area became full, insertion stopped

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: A request was made to insert a volume into a dynamically defined area, which was full or was not set correctly to provide bin selections for insert requests.

System Action: None.

Administrator Action: Verify that the AMU AMS archive positions for the particular media type are available and defined as an AMU DYNAMIC storage type. Configure the storage area accordingly and retry.

PVRS0305 AML drive is currently available to another client

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: PVR tried to access a drive that is not configured for the PVR.

System Action: None.

Administrator Action: Verify that the drive status is UP for the requesting client and that the drive is not assigned to another client.

PVRS0306 AML client does not exist

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: Client name is not defined in the DAS server configuration file.

System Action: If the Client Name is changed, the AML PVR needs to be recycled to pick up the new change.

Administrator Action: Verify that the client name id defined in the DAS configuration file. Make the necessary correction.

PVRS0307 AML dynamic area does not exist

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: A request involves a dynamic insert or eject area that may not be defined in the DAS server configuration file or may not be defined as a logical range in the AMU AMS configuration.

System Action: If the /var/hpss/ect/AML_InsertPort.conf or /var/etc/hpss/etc/AML_EjectPort.conf is modified, then AML PVR must be recycled so device_Init function can pick up the new port assignments.

Administrator Action: Verify that the areas are defined in the DAS server configuration file, physically in the robot, and logically defined in the AMU AMS configuration.

PVRS0308 AML no request exists with this number

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: Request ID does not exist.

System Action: None

Administrator Action: This error only occur if the “dasadmin cancel” command was issued with an incorrect request ID.

PVRS0309 AML retry attempts exceeded

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: Number of retries was exceeded.

System Action: None.

Administrator Action: View the AMU AMS Log window to determine the problems.

PVRS0310 AML requested volser is not mounted

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: A request was sent to dismounted an unmounted volume.

System Action: None.

Administrator Action Check the HPSS log file and AMU AMS log window for error additional error messages.

PVRS0311 AML requested volser is in use

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: The requested volume is in use.

System Action: None.

Administrator Action: View the AMU AMS Log window for additional information.

PVRS0312 AML no space available to add range

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: DAS configuration cannot add a new volser range.

System Action: None.

Administrator Action: Reconfigure the DAS server configuration file as necessary.

PVRS0313 AML range or object was not found

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: The requested resource is not configured or available in the archive.

System Action: If the /var/hpss/ect/AML_InsertPort.conf or /var/etc/hpss/etc/AML_EjectPort.conf file is modified, then AML PVR must be recycled so device_Init function can pick up the new port assignments.

Administrator Action: Verify that the resource is defined in the DAS server configuration file and the archive is configured accordingly.

PVRS0314 AML request was cancelled by aci_cancel()

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: A previously issued request was cancelled by a dasadmin cancel or shutdowns command.

System Action: None.

Administrator Action: None

PVRS0315 AML internal DAS error

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: DAS server component encountered an internal error and cannot continue.

System Action: None.

Administrator Action: Check the AMU AMS Log window for additional information. If necessary, correct the errors and restart DAS server.

PVRS0316 AML internal ACI error

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: ACI component encountered an unrecoverable error.

System Action: None.

Administrator Action: View HPSS log to determine the error since the error is probably was originated from the AML PVR itself.

PVRS0317 AML for a query more data are available

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: Additional data is available for viewing.

System Action: None.

Administrator Action: None.

PVRS0318 AML things don’t match together

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: PVR issued a command which had conflicted parameters. Per Emass, this is also the error that is produced when the eject port is full (for DAS version 1.30C8 or later).

System Action: None.

Administrator Action: If an HPSS export command was issued, then verify that the eject port is full; if it is, empty it and the eject will continue. Otherwise, check the AMU AMS Log window for more information.

PVRS0319 AML volser is still in another pool

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: Volume is already defined in another scratch pool.

System Action: None.

Administrator Action: Specify the correct pool name, or undefined the volume and redefined it to the correct pool.

PVRS0320 AML drive in cleaning

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: PVR requested a drive is currently being cleaned.

System Action: None.

Administrator Action: Wait until the drive clean operation is completed.

PVRS0321 AML The aci request timed out

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: PVR call to DAS / ACI was not returned after 10 minutes (default).

System Action: None.

Administrator Action: Examine the AMU AMS Log window to determine the time-out errors.

PVRS0322 AML the robot has a problem with handling the device

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: (This error code is not explained anywhere in the EMASS AML documents).

System Action: None.

Administrator Action: Examine the AMU AMS Log window for more information.

PVRS0323 AML Internal Errors

Source Files Generating Error Message: AmlPvrUtil.c

Problem Description: AML returned an unknown error to the PVR.

System Action: None.

Administrator Action: Examine the HPSS log file and the AMU AMS Log window to determine the errors.

PVRS0346 Failed to initialize check in queue

Source Files Generating Error Message: pvr_main.c, pvr_pending_checkin.c

Problem Description: Failed to start a thread to handle the check in requests. This problem occurs during PVR initialization phase. It only happens on the PVR that supports Shelf Tape feature. The problem is caused by system can not allocate resources for this PVR process.

System Action: The PVR process will not start.

Administrator Action: Terminate the nonessential processes to free up resources and restart the PVR process.

PVRS0347 Cartridge has not been checked in

Source Files Generating Error Message: pvr_pending_checkin.c

Problem Description: If a referenced file is on a shelved tape, the request will show up in the Tape Check-in Requests window. After a configured time period, if the tape has not been checked back into the library, this minor warning message will be displayed in the Alarms and Events window.

System Action: Periodically prints out minor error message in the Alarms and Events window.

Administrator Action: Retrieve the tape from the off-line shelf and put back into the library.

PVRS0348 Checking out cartridge, need be unloaded

Source Files Generating Error Message: pvr_log.c

Problem Description: Whenever a tape is checked out from a tape library, this message displayed in the Alarms and Events window to remind the system administrator to remove the tape from the tape library's I/O port.

System Action: None

Administrator Action: Remove the tape from the tape library's I/O port.

PVRS0349 3494 Library is NOT in Auto Mode

Source Files Generating Error Message: 3494.c

Problem Description: Before timing out a response check the 3494 library status and report an alarm if the library is paused.

System Action: The request is NOT timed out and the request timer is reset.

Administrator Action: Investigate the cause of the library status.

PVRS0350 Mount Request Timed Out

Source Files Generating Error Message: 3494.c

Problem Description: A mount request has timed out. The library may not have mounted the cartridge or the mount response may have been lost.

System Action: Error returned

Administrator Action: Investigate the library status. Check drive state.

PVRS0351 Dismount Request Timed Out

Source Files Generating Error Message: 3494.c

Problem Description: A dismount request has timed out. The library may not have dismounted the cartridge or the dismount response may have been lost.

System Action: Error returned

Administrator Action: Using the pvl jobs window, get the drive the cartridge is mounted on and investigate drive state.

PVRS0352 Eject Request Timed Out

Source Files Generating Error Message: 3494.c

Problem Description: A eject request has timed out. The library may not have ejected the cartridge or the ejected response may have been lost.

System Action: Error returned

Administrator Action: Investigate the status of the library and the cartridge.

Chapter 25

SSM Data Server Error Messages (SSMD Series)

SSMD0001 <request_type> request failed for <num> servers

Source Files Generating Error Message: ssm_ds_serverlist.c

Problem Description: From the HPSS Servers window, a request for "<num>" HPSS servers to change state failed. "<request_type>" is one of FORCE CONNECT, FORCE HALT, REINITIALIZE, MARK REPAIRED, SHUTDOWN, or START.

System Action: An error window is displayed; no message is logged.

Administrator Action: Dismiss the error window. Check the HPSS log file for messages giving more information on why the request failed.

SSMD0002 Number of command line arguments is incorrect

Source Files Generating Error Message: ssm_ds_init.c

Problem Description: The command used to start the SSM Data Server does not have the correct number of arguments.

System Action: The Data Server shuts down.

Administrator Action: Check the command or startup script used to invoke the Data Server. Make sure that the number and order of the command arguments are correct.

SSMD0003 This is a partial device/drive configuration which should be deleted

Source Files Generating Error Message: ssm_ds_addwin.c

Problem Description: The user has requested display of a device/drive configuration, and the SSM Data Server has detected that part of the configuration is missing. This message follows SSMD0004 or SSMD0007.

System Action: An error window is displayed; no message is logged.

Administrator Action: Dismiss the error window. Click on the "Delete" button to delete the partial device/drive configuration, and recreate the entire configuration if necessary.

SSMD0004 Device/drive is missing its PVL drive configuration data

Source Files Generating Error Message: ssm_ds_addwin.c

Problem Description: The user has requested display of a device/drive configuration, and the SSM Data Server has detected that the PVL Drive portion of the configuration is missing. This message precedes SSMD0003.

System Action: An error window is displayed; no message is logged.

Administrator Action: See SSMD0003.

SSMD0005 Alarm file unspecified or inaccessible; alarms will be buffered in memory

Source Files Generating Error Message: ssm_ds_alarms.c

Problem Description: At startup, the SSM Data Server could not find a definition for the HPSS_ALARMS_SSMDS environment variable, or the variable was defined as a null string, or the file specified by the variable could not be opened.

System Action: The Data Server will buffer alarms in memory, not in an alarm file.

Administrator Action: This message is normal if use of an alarm file is not desired. If the HPSS_ALARMS_SSMDS is defined as a valid filename, check the HPSS message log for more information on why the file open is failing, and correct the problem.

SSMD0006 INFO notification packet with unknown type <type> was discarded

Source Files Generating Error Message: ssm_ds_ch eckwork.c

Problem Description: The SSM Data Server received an INFO notification from the SSM System Manager, and the received INFO type was not recognized.

System Action: The notification is discarded.

Administrator Action: Check Data Server and System Manager code to find why the System Manager is sending notifications that the Data Server does not recognize.

SSMD0007 Device/drive is missing its Mover device configuration data

Source Files Generating Error Message: ssm_ds_addwin.c

Problem Description: The user has requested display of a device/drive configuration, and the SSM Data Server has detected that the Mover Device portion of the configuration is missing. This message precedes SSMD0003.

System Action: An error window is displayed; no message is logged.

Administrator Action: See SSMD0003.

SSMD0008 Warning: segments > <num> may use large amounts of metadata storage

Source Files Generating Error Message: ssm_ds_writedata.c

Problem Description: In creating a storage class configuration, an "Average Number of Storage Segments" was specified which may be too large for optimal performance.

System Action: An error window is displayed as a warning; no message is logged.

Administrator Action: Dismiss the error window. Since this is only a warning, you need not change "Average Number of Storage Segments", but you should consider lowering it if possible.

SSMD0009 The SSM System Manager was unable to find a specified device or drive

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM Data Server requested an operation on a device or drive which could not be found by the System Manager.

System Action: An error window is displayed. The current operation is aborted.

Administrator Action: Dismiss the error window.

SSMD0010 Media type (<hex1>, <hex2>) is not recognized

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: A media type structure did not contain a recognized media type/subtype combination.

System Action: The Sammi field displaying the media type will show "Bad Value".

Administrator Action: Examine the SSM Data Server code to make sure that all valid media types (from hpss_media_type.idl) are known to the code. If so, a bad media type may be coming from the System Manager or from another HPSS server. Trace down the source of the bad media type.

SSMD0011 Mount request of type <type> was not recognized

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: The SSM Data Server received a "mount request" notification in which the request type was not recognized.

System Action: The mount notification is discarded.

Administrator Action: Trace down the source of the bad mount notifications and repair the problem. The bad notifications are coming from the source PVR, or they are getting garbled en route to the Data Server.

SSMD0012 SSM Data Server has not found the SSM System Manager yet

Source Files Generating Error Message: ssm_ds_addwin.c

Problem Description: An SSM user has just logged into SSM. The Data Server opens the Health and Status window, but finds that it has not yet been able to contact the SSM System Manager.

System Action: An error window is displayed to inform the new user that the Data Server is not in communication with the System Manager. No message is logged.

Administrator Action: Confirm that the SSM System Manager is running, then select the "Ping SSM System Manager" main menu option to force the Data Server to connect to the System Manager.

SSMD0013 Bad class <class> detected in notification union structure

Source Files Generating Error Message: ssm_ds_notify.c

Problem Description: The SSM Data Server received a notification from the SSM System Manager, but the notification class was not recognized.

System Action: The notification is discarded. An error is returned to the System Manager.

Administrator Action: Examine Data Server and System Manager code to trace the source of the bad notification class.

SSMD0014 Preferences successfully reloaded

Source Files Generating Error Message: ssm_ds_alarms.c, ssm_ds_devdrvlist.c, ssm_ds_sclasslist.c, ssm_ds_serverlist.c

Problem Description: A user preferences file has been successfully reloaded into SSM at the user's request.

System Action: A message window is displayed; no message is logged.

Administrator Action: Dismiss the message window. No other action needed (informational message only).

SSMD0015 Bad OpState <state> in Mover device MO returned from server '<server_name>'

Source Files Generating Error Message: ssm_ds_addwin.c, ssm_ds_checkwork.c, ssm_ds_opstate.c

Problem Description: The SSM Data Server detected an invalid Operational State in a Mover device managed object.

System Action: The Operational State is displayed to the SSM user as UNKNOWN.

Administrator Action: Examine Mover code to determine why an invalid Operational State is being generated.

SSMD0016 Bad OpState <state> in PVL Drive MO returned from server '<server_name>'

Source Files Generating Error Message: ssm_ds_addwin.c, ssm_ds_checkwork.c, ssm_ds_opstate.c

Problem Description: The SSM Data Server detected an invalid Operational State in a PVL drive managed object.

System Action: The Operational State is displayed to the SSM user as UNKNOWN.

Administrator Action: Examine PVL code to determine why an invalid Operational State is being generated.

SSMD0017 Preferences successfully saved

Source Files Generating Error Message: ssm_ds_alarms.c, ssm_ds_devdrvlist.c, ssm_ds_sclasslist.c, ssm_ds_serverlist.c

Problem Description: User preferences have been successfully saved to a disk file at the user's request.

System Action: A message window is displayed; no message is logged.

Administrator Action: Dismiss the message window. No other action needed (informational message only).

SSMD0018 Unix file error: <message>

Source Files Generating Error Message: ssm_ds_errors.c

Problem Description: The SSM Data Server encountered an error during a Unix file I/O operation. "<message>" is the Unix error text for the specific file error detected.

System Action: An error window is displayed; no message is logged. In most cases, the affected file operation (such as reading user preferences from a disk file) is aborted and not retried. This should not have any serious impact on SSM operation.

Administrator Action: Dismiss the error window. Determine the cause of the file error, based on the specific Unix error message.

SSMD0019 Bad OpState <state> in server MO returned from server '<server_name>'

Source Files Generating Error Message: ssm_ds_addwin.c, ssm_ds_checkwork.c, ssm_ds_opstate.c

Problem Description: The SSM Data Server detected an invalid Operational State in a server managed object.

System Action: The Operational State is displayed to the SSM user as UNKNOWN.

Administrator Action: Examine the server code to determine why an invalid Operational State is being generated.

SSMD0020 Unexpected fatal error from ‘<function>’; errno was <num>

Source Files Generating Error Message: ssm_ds_errors.c

Problem Description: The SSM Data Server detected an unexpected error in a call to a system support function (Unix, DCE, Sammi, etc.) which normally should never fail (for example, a request to initialize a threads mutex). “<function>” is the name of the failing function, and “<num>” is the error number reported by the function.

System Action: The Data Server shuts down.

Administrator Action: Examine the HPSS message log and the Data Server code to find the source of the problem. It may be a result of insufficient resources, such as low memory or paging space.

SSMD0021 SSM/Sammi login failed; password was not correct

Source Files Generating Error Message: ssm_ds_delwin.c

Problem Description: A user attempting to log into SSM via the Sammi logon window entered an invalid password.

System Action: The login is rejected. The Sammi login window reappears on the screen.

Administrator Action: Reenter a valid DCE principal name and password.

SSMD0022 The specified physical volume is not allocated to any Storage Server

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM user attempted to get a Storage Server physical volume managed object by specifying the physical volume name, but the SSM System Manager reports that the physical volume is not allocated to any Storage Server.

System Action: An error window is displayed; no message is logged. The user request is rejected.

Administrator Action: Dismiss the error window. Create Storage Server resources using the specified physical volume before asking for the Storage Server physical volume managed object.

SSMD0023 SSM System Manager rejected request; invalid SrvInfoUnion_t class

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager rejected a request from the Data Server because of an invalid class value passed in a SrvInfoUnion_t data descriptor.

System Action: An error window may be displayed. The current operation is aborted.

Administrator Action: Dismiss any error window. Examine Data Server and System Manager code to find out where the invalid class is coming from.

SSMD0024 Invalid Sammi console id <console> activated; will be ignored

Source Files Generating Error Message: ssm_ds_activate.c

Problem Description: The SSM Data Server detected the activation of a new Sammi console, but the console ID was not in the valid range (1 to 32767).

System Action: The new console is ignored.

Administrator Action: Check the user's Sammi configuration to see if the console ID is valid.

SSMD0025 Selection list type <type> is not known

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: An SSM Data Server internal error. The ds_write_name_slist function was called with a bad list type argument.

System Action: The target selection list is not filled in.

Administrator Action: Examine Data Server code to find the source of the bad list type.

SSMD0026 Object HPSSOID references an unknown server UUID

Source Files Generating Error Message: ssm_ds_addwin.c

Problem Description: The SSM Data Server attempted to extract a server UUID from a HPSSOID structure, in order to request a managed object from that server, but the resulting UUID did not reference any known HPSS server.

System Action: An error window is displayed; the request is aborted.

Administrator Action: Examine the faulty HPSSOID and attempt to find out why it references a non-existent server.

SSMD0027 Bad class <class> detected in server info union structure

Source Files Generating Error Message: ssm_ds_update.c

Problem Description: An SSM Data Server internal error. An attempt was made to update an SSM window with a new data object, but the old data object attached to the window contained an unrecognized data class field.

System Action: The update is discarded.

Administrator Action: Examine the Data Server code to find the source of the invalid data class.

SSMD0028 Incorrect number of tokens in string beginning '<string>'

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: An SSM Data Server internal error. There is an inconsistency in the arguments passed to ds_make_token_list.

System Action: The Data Server continues operation, but the possibly defective token list may cause incorrect displays on one or more SSM windows.

Administrator Action: Examine the Data Server code to find out why the token list string does not match the token count.

SSMD0029 SSM/Sammi login failed; invalid DCE principal name

Source Files Generating Error Message: ssm_ds_delwin.c

Problem Description: A user attempting to log into SSM via the Sammi logon window entered an invalid DCE principal name (username).

System Action: The login is rejected. The Sammi login window reappears on the screen.

Administrator Action: Reenter a valid DCE principal name and password.

SSMD0030 UUID input is invalid; please try again

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: The SSM user has typed a DCE UUID into a data field, but the entered string could not be successfully converted to a binary UUID.

System Action: An error window is displayed; no message is logged. The entry is rejected.

Administrator Action: Dismiss the error window. Enter a validly formatted UUID into the field.

SSMD0031 Bad work queue item code <code> detected; item discarded

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: An SSM Data Server internal error. A "work queue" item has been dequeued for processing, but the item type is not recognized.

System Action: The "work queue" item is discarded.

Administrator Action: Examine Data Server code to find the source of the bad work queue item.

SSMD0032 Can't get Server Config for '<server_name>'

Source Files Generating Error Message: ssm_ds_serverlist.c

Problem Description: The SSM user has selected a server on the server list window, and pressed the button to get the server's configuration, but SSM is unable to get a configuration for the selected server.

System Action: An error window is displayed; no message is logged. The user request is rejected.

Administrator Action: Dismiss the error window. Do not retry the request.

SSMD0033 Can't get Server Info for '<server_name>'

Source Files Generating Error Message: ssm_ds_serverlist.c

Problem Description: The SSM user has selected a server on the server list window, and pressed the button to get the server's managed object information, but SSM is unable to get a managed object for the selected server.

System Action: An error window is displayed; no message is logged. The user request is rejected.

Administrator Action: Dismiss the error window. Do not retry the request.

SSMD0034 Please fill in or correct required fields; see window help

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: The SSM user made a request from a window when required fields on the window were still blank or incorrecly filled in.

System Action: An error window is displayed; no message is logged. The user request is ignored until the problem is corrected.

Administrator Action: Dismiss the error window. Correct the missing or incorrectly specified fields and retry the request. Consult the online help for the window if the source of the error is not obvious.

SSMD0035 The high part of the fileset ID must be greater than 2147483648

Source Files Generating Error Message: ssm_ds_writedata.c

Problem Description: The SSM user entered an invalid fileset ID for a non-DFS (HPSS-only) fileset. The high part of such an ID must be greater than 2147483648 (2^31).

System Action: An error window is displayed; no message is logged. The bad fileset ID is rejected.

Administrator Action: Dismiss the error window. Re-enter a valid fileset ID.

SSMD0036 The selected alarm/event has been overwritten by a newer one

Source Files Generating Error Message: ssm_ds_alarms.c

Problem Description: The SSM user selected a message in the HPSS Alarms and Events window, but the message no longer exists in the alarm buffer. This can occur if (for example) the “Freeze Display” button has been on for some time, and the SSM Data Server has been unable to update the window with more recent messages.

System Action: An error window is displayed; no message is logged. Any user request for the selected message is ignored.

Administrator Action: Dismiss the error window. Since the selected message is no longer in the alarm buffer, it cannot be accessed by SSM any longer. If necessary, search the HPSS message logs for the desired message.

SSMD0037 Warning: this setting may lead to significant waste of disk space

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: In creating a disk storage class configuration, a "Maximum Storage Segment Size" was specified which may be too large, possibly leading to significant waste of disk space.

System Action: An error window is displayed as a warning; no message is logged.

Administrator Action: Dismiss the error window. Since this is only a warning, you need not change "Maximum Storage Segment Size", but you should consider lowering it if possible.

SSMD0038 Create SS Resources successfully created <num1> PVs in <num2> VVs

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: A Create SS Resources operation has completed.

System Action: A message window is displayed.

Administrator Action: Examine the counts to see if they match expectations. Dismiss the message window.

SSMD0039 Delete SS Resources successfully deleted <num> PVs

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: A Delete SS Resources operation has completed.

System Action: A message window is displayed.

Administrator Action: Examine the volume count to see if it matches the requested count. Dismiss the message window.

SSMD0040 SSM System Manager rejected request; invalid object for server type

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager rejected a request from the Data Server because the object requested is not valid for the type of the specified server. This could happen if the Data Server asked for a Mover Device managed object from a PVL, for example.

System Action: A message window may be displayed. The current operation is aborted.

Administrator Action: Dismiss any error window. Examine the Data Server code to see why the object is being requested of the wrong server type.

SSMD0041 Bad log message: rectype <num1>, msgtype <num2>, severity <num3>

Source Files Generating Error Message: ssm_ds_notify.c

Problem Description: The SSM Data Server has received an invalid log message notification from the SSM System Manager.

System Action: The notification is discarded. An error is returned to the System Manager.

Administrator Action: Examine the log message parameters to see why the message is invalid, and trace the source of the message.

SSMD0042 DFD '<dfd_name>' not found in format '<format_name>'

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: The SSM Data Server searched for a particular DFD in a Sammi format (a field in a window), and did not find it as expected.

System Action: Any pending operation on the DFD is aborted.

Administrator Action: Examine the Data Server code and the target Sammi format to see why the expected DFD is not found.

SSMD0043 Dot-decimal input is invalid or too long; see window help

Source Files Generating Error Message: ssm_ds_writedata.c

Problem Description: The SSM user entered incorrect data in a “dot-decimal” formatted field. This can be caused by entering invalid characters, or by entering decimal values larger than the maximum value of a byte, or by entering more decimal values than can be accommodated by the field.

System Action: An error window is displayed; no message is logged. The user input is rejected.

Administrator Action: Dismiss the error window. Consult the online help for the window for details on how to specify the dot-decimal field correctly.

SSMD0044 Port Range Start/End values are invalid; see window help

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: On the "Mover Configuration" window, the SSM user attempted to Add or Update a configuration which had invalid "Port Range Start" and "Port Range End" fields. These fields must be (a) both non-zero with "Port Range Start" less than or equal to "Port Range End", or (b) both zero.

System Action: A message window is displayed; no message is logged. The Add or Update request is cancelled.

Administrator Action: Dismiss the message window. Reenter the port range fields so they meet the stated restrictions, and retry the Add or Update.

SSMD0045 Server List is out of sync; please try again

Source Files Generating Error Message: ssm_ds_serverlist.c

Problem Description: On the “HPSS Servers” window, the SSM user was executing a multi-server administrative request when the SSM Data Server detected that the SSM System Manager had been restarted. This means that the displayed server list may no longer match the latest internal list received from the System Manager.

System Action: An error window is displayed; no message is logged. The user request is cancelled.

Administrator Action: Dismiss the message window. Wait a few seconds and then retry the request.

SSMD0046 Stale format '<format_name>' on console <console> was deleted

Source Files Generating Error Message: ssm_ds_delwin.c

Problem Description: When trying to add a new Sammi window, the SSM Data Server detects that the window already exists in its internal tables. This can happen when recovering from Sammi crashes, for example.

System Action: The Data Server "deletes" the old window data, and adds the new window. The deletion affects only the Data Server internal tables; it does not actually delete a visible window.

Administrator Action: None.

SSMD0047 The SSM Data Server has lost its connection to the System Manager

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM Data Server has lost contact with the SSM System Manager.

System Action: The System Manager is marked as status UNKNOWN in the SSM server list. The current request is aborted.

Administrator Action: Make sure that the System Manager is running and communicating with the Data Server.

SSMD0048 Export Volumes successfully exported <num> volumes

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: An Export Volumes operation has completed.

System Action: A message window is displayed.

Administrator Action: Examine the volume count to see if it matches the requested count. Dismiss the message window.

SSMD0049 Format '<format_name>' not found on console <console> as expected

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: The SSM Data Server searched for a Sammi format (window) which it expected to find active on a particular Sammi console, and did not find it.

System Action: Any pending operations on the format are aborted.

Administrator Action: Examine Sammi formats and the Data Server code to see why the expected format is not being found.

SSMD0050 A Sammi reply event reported errors for <num> DFDs

Source Files Generating Error Message: ssm_ds_reply.c

Problem Description: Sammi reported data output errors to the SSM Data Server.

System Action: None (but see SSMD0052).

Administrator Action: See subsequent SSMD0052 messages for Sammi error codes. Examine the codes and consult the Sammi API Guide to see if they are of the type that may indicate a problem addressable by the administrator; most will not be.

SSMD0051 A request for Sammi reply errors failed

Source Files Generating Error Message: ssm_ds_reply.c

Problem Description: Sammi reported data output errors to the SSM Data Server (see SSMD0050), but when the Data Server attempted to query Sammi for more information on the errors, the query failed.

System Action: The output errors are not processed any further.

Administrator Action: Examine Data Server code and the Sammi configuration to see why the call to s2_get_errs is failing.

SSMD0052 DFD '<dfd_name>' in format '<format_name>' had reply error <num>

Source Files Generating Error Message: ssm_ds_reply.c

Problem Description: Sammi reported data output errors to the SSM Data Server (see SSMD0050), at which time the Data Server interrogated Sammi for the DFDs causing the errors. This message reports individual DFDs and output error numbers.

System Action: Depending on the error type, the Data Server may discard the output, or retry it.

Administrator Action: In most cases, none, but some errors may indicate a problem needing correction in a Sammi format or in the Data Server.

SSMD0053 SSM Data Server does not recognize your Sammi console ID

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: A Sammi event was received by the SSM Data Server from a Sammi console ID which is not in the Data Server's list of active consoles.

System Action: An error window is displayed on the unknown console. The event from the unknown console is discarded.

Administrator Action: Dismiss the error window. Shut down the "unknown" Sammi runtime and restart, making sure that the console ID is valid.

SSMD0054 Invalid accounting style or missing accounting policy

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM user attempted to start an HPSS Accounting run, but the SSM System Manager discovered problems in the Accounting Policy.

System Action: An error window is displayed. The Start Accounting request is aborted.

Administrator Action: Dismiss the error window. Make sure a valid HPSS Accounting Policy exists.

SSMD0055 Import Volumes successfully imported <num> volumes

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: An Import Volumes operation has completed.

System Action: A message window is displayed.

Administrator Action: Examine the volume count to see if it matches the requested count. Dismiss the message window.

SSMD0056 Please pick another Sort column first

Source Files Generating Error Message: ssm_ds_devdrvlist.c, ssm_ds_sclasslist.c, ssm_ds_serverlist.c

Problem Description: On one of the SSM list preferences windows, the SSM user attempted to deselect the current sort column. The column currently being used to sort the list cannot be deselected.

System Action: An error window is displayed; no message is logged. The deselect request is ignored.

Administrator Action: Dismiss the error window. Select another column for sorting and then retry, or leave the current sort column selected.

SSMD0057 Invalid argument passed to function

Source Files Generating Error Message: ssm_ds_errors.c

Problem Description: An SSM Data Server internal error. A function was called with an invalid argument.

System Action: The current operation is aborted.

Administrator Action: Examine the Data Server code to determine why the error is occurring, and correct the error.

SSMD0058 User Data input is invalid or too long; see window help

Source Files Generating Error Message: ssm_ds_writedata.c

Problem Description: On a “Create HPSS-only Fileset” or “Name Server Fileset Information” window, the SSM user has entered invalid text data into the “User Data” field.

System Action: An error window is displayed; no message is logged. The user input is discarded.

Administrator Action: Dismiss the error window. Consult the online help for the window for details on how the “User Data” field must be specified, and retry the input.

SSMD0059 CDS name for SSM does not match environment variable HPSS_CDS_SSMSM

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: A server list notification from the SSM System Manager indicated that the System Manager's server configuration contains a CDS name which differs from the CDS name provided in the environment variable HPSS_CDS_SSMSM.

System Action: An error window is displayed. The System Manager continues to run using the CDS name supplied in the environment variable.

Administrator Action: Dismiss the error window. The System Manager server configuration should be made to agree with HPSS_CDS_SSMSM.

SSMD0060 List notification of unknown list class <num> was discarded

Source Files Generating Error Message: ssm_ds_notify.c

Problem Description: The SSM Data Server has received a list notification from the SSM System Manager, but the list class included with the list is not recognized.

System Action: The notification is discarded. An error is returned to the System Manager.

Administrator Action: Examine the Data Server code and the System Manager code to determine how an unknown list class is being generated.

SSMD0061 An unexpected SSM configuration was found--please repair

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: A server list notification from the SSM System Manager indicated that an SSM server configuration entry was found which did not match the one specified on the command line used to start the System Manager.

System Action: An error window is displayed. SSM operation continues; the unexpected server entry is ignored.

Administrator Action: Dismiss the error window. Modify the server configuration file to remove all SSM entries but one. Adjust SSM UUID fields in all other server configurations as needed. If necessary, shut down SSM and restart.

SSMD0062 Incoming <list_type> list contains some invalid data

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: A list notification from the SSM System Manager indicated that the list contained some invalid entries.

System Action: An error window is displayed. SSM operation continues, but usability may be impaired.

Administrator Action: Dismiss the error window. Examine the offending list and try to determine which entries are bad, and if corrective action is needed.

SSMD0063 Incoming <list_type> list incomplete due to metadata errors

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: A list notification from the SSM System Manager indicated that the list was incomplete due to metadata errors encountered by the System Manager while reading data to construct the list.

System Action: An error window is displayed. SSM operation continues, but usability may be impaired.

Administrator Action: Dismiss the error window. Check into the causes of the metadata errors and correct them.

SSMD0064 SSM config for '<server_name>' not found, but new default created

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: A server list notification from the SSM System Manager indicated that no entry was found for SSM, so the System Manager created a default entry.

System Action: A message window is displayed. SSM operation continues.

Administrator Action: Dismiss the message window. This is normal when starting up a new HPSS installation. Editing of the SSM entry created by default may be desirable.

SSMD0065 Cartridge or volume name input is invalid; please try again

Source Files Generating Error Message: ssm_ds_writedata.c

Problem Description: The SSM user has entered an invalid cartridge or volume name. A cartridge name must be exactly six characters long, and consist solely of letters and decimal digits. The first six characters of a volume name must meet the same requirements.

System Action: An error window is displayed; no message is logged. User input is rejected.

Administrator Action: Dismiss the error window. Re-enter a valid cartridge or volume name.

SSMD0066 SSM config for '<server_name>' not found--please create

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: A server list notification from the SSM System Manager indicated that no entry was found for SSM, so the System Manager attempted to create a default entry, but this attempt failed.

System Action: An error window is displayed. SSM operation continues, but usability is likely to be extremely impaired.

Administrator Action: Dismiss the error window. Try to create a server configuration for SSM, then shut down SSM and restart it. The reason for the original metadata failure may have to be investigated and repaired first.

SSMD0067 Incoming <list_type> list has regained VALID status

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: A list notification from the SSM System Manager indicated that the Status field for the list had returned to VALID after previously indicating some error condition.

System Action: A message window is displayed. SSM operation continues.

Administrator Action: Dismiss the message window.

SSMD0068 Logging initialization failed with status <hexnum>

Source Files Generating Error Message: ssm_ds_init.c

Problem Description: The SSM Data Server failed to initialize the HPSS logging environment.

System Action: The Data Server exits.

Administrator Action: Examine the status code in the error message. Attempt to determine why the call to cs_LogInit failed, and correct the condition.

SSMD0073 Sammi console ID number <console> has connected to SSM

Source Files Generating Error Message: ssm_ds_activate.c

Problem Description: Sammi has reported an ACTIVATE event for a specified Sammi console ID.

System Action: The console is added to the internal list of active consoles in the SSM Data Server.

Administrator Action: None (informational message only).

SSMD0074 <reqtype> request was ignored for <num> ineligible server(s)

Source Files Generating Error Message: ssm_ds_serverlist.c

Problem Description: The user has pushed a button on the SSM server list window to perform an administrative action on the selected server(s) (Start, Shutdown, etc.), but one or more selected servers cannot be called with the specified request. “<reqtype>” is the requested administrative action, and “<num>” is the number of selected servers for which the action is currently not valid.

System Action: An error window is displayed; no message is logged. The user request is ignored for those servers for which it is currently not valid.

Administrator Action: Dismiss the error window. No other action is needed. This message will appear normally when the user selects a range of servers to be affected by an action button, and one or more servers within the range are not valid for use with the button; for example, if a Startup Daemon is in the range, the Start button is not valid for that server.

SSMD0075 SSM/Sammi login failed; DCE Security Service was not certified

Source Files Generating Error Message: ssm_ds_delwin.c

Problem Description: On a user login to SSM, the principal name (username) and password were OK, but the SSM Data Server could not "certify" the DCE Security Service, meaning that the principal name / password authentication is suspect.

System Action: The login is rejected. The Sammi login window reappears on the screen.

Administrator Action: Check on DCE to make sure that all the servers are running correctly, especially the Security Server.

SSMD0076 You must leave at least one item selected

Source Files Generating Error Message: ssm_ds_alarms.c, ssm_ds_devdrvlist.c, ssm_ds_sclasslist.c, ssm_ds_serverlist.c

Problem Description: On a user preferences window, the SSM user attempted to deselect all items in a category (for example, all columns). Doing this would deselect all display items, leaving the window blank.

System Action: An error window is displayed; no message is logged. Deselect of the last item in the category is rejected.

Administrator Action: Dismiss the error window. Do not attempt to deselect all items in any one category.

SSMD0077 Device/drive List is out of sync; please try again

Source Files Generating Error Message: ssm_ds_devdrvlist.c

Problem Description: On the “HPSS Devices and Drives” window, the SSM user was executing a multi-item administrative request when the SSM Data Server detected that the device / drive list had changed. This means that the displayed device / drive list may no longer match the latest internal list received from the System Manager.

System Action: An error window is displayed; no message is logged. The user request is cancelled.

Administrator Action: Dismiss the message window. Wait a few seconds and then retry the request.

SSMD0078 No DFDs (or all NULL DFDs) found where at least one expected

Source Files Generating Error Message: ssm_ds_addwin.c, ssm_ds_delwin.c

Problem Description: Sammi delivered an "add-window" or "delete-window" event to the SSM Data Server. These events are supposed to supply a list of DFDs for the affected format, but the Data Server discovered that no DFDs were in the list.

System Action: The Sammi event is discarded.

Administrator Action: This situation is not expected to occur. If it does happen, check to see if Sammi is running correctly.

SSMD0079 Warning: seconds between tape marks is outside of optimal range <num1>-<num2>

Source Files Generating Error Message: ssm_ds_writedata.c

Problem Description: When creating a tape storage class, "Blocks Between Tape Marks" or "Seconds Between Tape Marks" were specified such that the number of seconds between marks is outside the recommended range. This can adversely affect performance.

System Action: A message window is displayed as a warning; no message is logged.

Administrator Action: Dismiss the error window. You may leave things as they are, or revise "Blocks Between Tape Marks" or "Seconds Between Tape Marks" in light of the warning.

SSMD0080 No server of type <server_type> could be found to handle your request

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: The SSM user made a request for information which requires communication with a particular type of server (for example, a request for a PVL volume managed object, which requires communication with a PVL), but no running server of the proper type could be found by the Data Server.

System Action: An error window is displayed; no message is logged. The request is aborted.

Administrator Action: Dismiss the error window. Make sure all needed HPSS servers are running, and retry the request.

SSMD0081 Unexpected null pointer encountered

Source Files Generating Error Message: ssm_ds_errors.c

Problem Description: The SSM Data Server encountered a null pointer (especially a pointer to a Sammi data structure) where one was not expected.

System Action: The current operation is aborted.

Administrator Action: Examine the HPSS log to determine where the error occurred; then examine the Data Server code to see where the null pointer came from.

SSMD0084 Sammi output failure (count <num>) on console <console>; user '<username>'

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: The SSM Data Server was unable to queue output to a Sammi console. The failure count shows how many times this has happened since the Data Server first detected the specified console.

System Action: The output is discarded, meaning that one or more windows may be displaying stale data.

Administrator Action: These messages may occur normally under some circumstances, such as when a window is dismissed just as the Data Server is getting ready to write to it. When the messages occur continually for an extended period of time, it usually means that a Sammi session has crashed or is hung. Using the console number and username information in the message, try to locate the malfunctioning console. If necessary, restart the console's SSM session and log in.

SSMD0087 A Sammi reply event reported a communications error

Source Files Generating Error Message: ssm_ds_reply.c

Problem Description: Sammi delivered a REPLY event to the SSM Data Server in response to previously queued output to a Sammi window. The REPLY event indicated that the output failed due to some communications error between Sammi and the Data Server.

System Action: The queued output is lost.

Administrator Action: Check Sammi and Data Server configurations to find out why communications are failing.

SSMD0091 DCE Security Server call failed: <message_text>

Source Files Generating Error Message: ssm_ds_delwin.c

Problem Description: During a user login to SSM, a Data Server call to one of the DCE security APIs failed.

System Action: The login is rejected. The Sammi login window reappears on the screen.

Administrator Action: Examine the detailed message text. Consult the DCE documentation to find out why the call might have failed. Make sure that DCE is running correctly.

SSMD0092 Multiple servers of type <server_type> were found when only one was expected

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: The SSM Data Server expected to find only one server of a particular type in its server list, but instead found more than one.

System Action: The current request is aborted.

Administrator Action: If there is only supposed to be one server of a type (for example, the PVL), make sure that there are not multiple servers of that type configured in the system; or, if multiples are configured, that only one is marked as executable.

SSMD0093 SSM Data Server process is shutting down

Source Files Generating Error Message: ssm_ds_exit.c

Problem Description: The SSM Data Server is performing an orderly shutdown.

System Action: The Data Server exits.

Administrator Action: None (informational message only).

SSMD0094 Sammi console <console> has been disabled due to excessive ping failures

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: The SSM Data Server periodically sends harmless Sammi commands to all Sammi consoles which it thinks are active. If a number of these requests fail consecutively, the Data Server assumes that the console is no longer active, and marks it as down.

System Action: The Data Server no longer attempts to communicate with the disabled console.

Administrator Action: Check the specified console to see if it is still running, and restart the console's Sammi session if necessary.

SSMD0097 Signal thread detected a termination signal

Source Files Generating Error Message: ssm_ds_signal.c

Problem Description: The SSM Data Server signal trap thread detected a signal which is being interpreted as a termination command.

System Action: The Data Server exits.

Administrator Action: None (informational message only).

SSMD0101 Select list line length of <num1> is too long for DFD size <num2>

Source Files Generating Error Message: ssm_ds_errors.c

Problem Description: The SSM Data Server generated an entry for a Sammi selection list DFD which was too long to fit the line length of the DFD.

System Action: The entry is discarded from the selection list.

Administrator Action: Check Data Server code to see how an overlong line is being generated.

SSMD0102 Too many select list entries for output DFD

Source Files Generating Error Message: ssm_ds_errors.c

Problem Description: The SSM Data Server was filling in a Sammi selection list DFD, and found that it had more entries than the selection list could hold.

System Action: The selection list is truncated at the point where it is filled to capacity, meaning that some list options will not be available.

Administrator Action: Modify the Sammi DFD, if necessary, to allow more entries in the list.

SSMD0103 Data change notification received for bad server ID <num>

Source Files Generating Error Message: ssm_ds_notify.c

Problem Description: The SSM Data Server received a data change notification from the SSM System Manager for which the server ID is invalid.

System Action: The notification is discarded. An error is returned to the System Manager.

Administrator Action: Examine System Manager and Data Server code to find out where the invalid server ID is coming from.

SSMD0104 Entered field was adjusted to nearest valid value

Source Files Generating Error Message: ssm_ds_writedata.c

Problem Description: The SSM user entered an invalid value into a field.

System Action: The SSM Data Server automatically adjusts the entered field to the nearest valid value, and notifies the user with a message box. No message is logged.

Administrator Action: None.

SSMD0105 SSM Data Server process has been initialized

Source Files Generating Error Message: ssm_ds_init.c

Problem Description: Startup initialization of the SSM Data Server is complete.

System Action: Operation continues.

Administrator Action: None (informational message only).

SSMD0106 Insufficient resources to create a new thread

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: The SSM Data Server attempted to create a new thread to perform some task, but the create call failed.

System Action: The task to be performed by the thread is aborted.

Administrator Action: Examine the HPSS log for the error code accompanying the message. Consult the DCE documentation to see what caused the error, and what the remedy might be.

SSMD0107 Select a Storage Class first

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: On the "Create SS Resources" window, the user attempted to select a Storage Server before selecting a storage class. The storage class must be selected first.

System Action: An error window is displayed; no message is logged. The Storage Server field remains blank.

Administrator Action: Dismiss the error window. Select a storage class, then retry the Storage Server.

SSMD0108 Unexpected CHG_DFD event reported for DFD '<dfd_name>' in format '<format_name>'

Source Files Generating Error Message: ssm_ds_errors.c

Problem Description: Sammi delivered a "change DFD" event which was not expected by the SSM Data Server.

System Action: The event is discarded.

Administrator Action: Check the Sammi format and/or the Data Server code to find out why the unexpected event is being generated.

SSMD0109 Unexpected Sammi event ‘<event_type>’ was received

Source Files Generating Error Message: ssm_ds_event.c

Problem Description: Sammi delivered an event to the SSM Data Server which was either unrecognized, or recognized but unexpected.

System Action: The event is discarded.

Administrator Action: Check Sammi formats and the Data Server code to find out why the unexpected event is being generated.

SSMD0110 Unknown command string '<command>' detected from format '<format_name>'

Source Files Generating Error Message: ssm_ds_errors.c

Problem Description: Sammi delivered an unrecognized or invalid command string to the SSM Data Server via a "send command" event.

System Action: The command is discarded.

Administrator Action: Examine Sammi formats and the Data Server code to find out why the unexpected command is being generated.

SSMD0111 Sammi event received from unknown console ID number <console>

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: A Sammi event was received from a console ID which is not in the Data Server's list of active consoles.

System Action: The event is discarded.

Administrator Action: Check Sammi configuration files to make sure that all consoles are correctly configured.

SSMD0112 Unknown DFD '<dfd_name>' in format '<format_name>'; readkey: '<readkey>', writekey: '<writekey>'

Source Files Generating Error Message: ssm_ds_errors.c

Problem Description: The SSM Data Server detected a Sammi DFD with an unknown name, unknown readkey, or unknown writekey.

System Action: The unknown DFD is ignored.

Administrator Action: Check Sammi formats and the Data Server code to find out why the DFD is unrecognized.

SSMD0113 Unknown format '<format_name>' detected

Source Files Generating Error Message: ssm_ds_errors.c

Problem Description: The SSM Data Server received a Sammi event for an unknown format (window).

System Action: The event is discarded.

Administrator Action: Check Sammi formats and the Data Server code to find out why the format is unrecognized.

SSMD0115 Permission to access a required file was denied

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager was unable to complete a request because it could not access a required file.

System Action: An error window may be displayed. The operation is aborted.

Administrator Action: Dismiss any error window. Examine the HPSS log or the SSM alarms for other messages from the System Manager to determine which file caused the problem, then investigate the cause of the file access prohibition.

SSMD0117 That configuration already exists; Update or Delete instead of Add

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM user attempted to create an HPSS configuration entry which already exists.

System Action: An error window is displayed; no message is logged. The user request is discarded.

Administrator Action: This error should not occur, because the SSM Data Server only permits the user to perform valid actions (ie., Add when the configuration does not exist; Update or Delete otherwise). Examine the Data Server code to determine how this error is being generated.

SSMD0118 Server '<server_name>' is already running

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user requested the startup of a server which is already running.

System Action: An error window is displayed; no error is logged. The user request is discarded.

Administrator Action: Dismiss the error window.

SSMD0119 Do basic MPS and NS and SS configs before a BFS-specific one

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user attempted to create a type-specific configuration for a Bitfile Server, when the prerequisite servers did not yet exist. Basic configurations for a Migration / Purge Server, a Name Server and a Storage Server must exist before a type-specific Bitfile Server configuration can be created.

System Action: An error window is displayed. The user request is discarded.

Administrator Action: Create basic configurations for the prerequisite servers before configuring the Bitfile Server.

SSMD0120 Error freeing old binding handle to SSM System Manager

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM Data Server attempted to free a stale DCE binding handle before performing a rebind, but the attempt failed.

System Action: The Data Server continues operation; the error is logged for informational purposes but otherwise ignored.

Administrator Action: Check the HPSS log for other messages which may give more information on DCE problems.

SSMD0121 SSM Data Server has completed DCE bind to System Manager

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM Data Server has successfully completed a DCE binding to the SSM System Manager.

System Action: None.

Administrator Action: None (informational message only).

SSMD0123 SSM System Manager was unable to locate a PVR controlling that cartridge

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager was processing a request on a PVR cartridge, but could not find a PVR which controls the cartridge.

System Action: An error window may be displayed. The operation is aborted.

Administrator Action: Dismiss any error window. Examine the HPSS log or the SSM alarms to get more information on the problem. It may mean a configuration problem, such as the deletion of a PVR configuration without first moving its cartridges to another PVR.

SSMD0124 Config operation succeeded, but DCE/CDS directory creation failed

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager was performing a configuration operation which requires a modification of the DCE Cell Directory Service database. The configuration request succeeded, but the CDS portion of the procedure failed.

System Action: An error window is displayed.

Administrator Action: Dismiss the error window. Examine the HPSS log or the SSM alarms for more information, or examine the CDS directly using the appropriate DCE utility. It is possible the CDS operation failed because the request was to add an entry that already exists, in which case things are probably all right. If not, it may be possible to complete the CDS operation manually with the DCE utility.

SSMD0125 Config succeeded, but internal update in SSM System Manager failed

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager was attempting a configuration change. The configuration change succeeded, but the System Manager was unable to update its own internal server information.

System Action: An error window is displayed.

Administrator Action: Dismiss the error window. Examine the HPSS log or the SSM alarms for more information. It may be necessary to shut down SSM and restart it.

SSMD0126 Request rejected; Data Server is not registered with System Manager

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager rejected a request from the Data Server because it did not recognize the Data Server as a checked in client.

System Action: The operation is aborted. The system should recover eventually when the Data Server checks in again as a new client.

Administrator Action: None.

SSMD0127 SSM System Manager could not communicate with target server

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager received a request from the Data Server and attempted to call another HPSS server to handle the request, but the System Manager was unable to contact the other server due to DCE communication problems.

System Action: An error window may be displayed; the operation is aborted.

Administrator Action: Dismiss the error window (if any). Check the HPSS log or the SSM alarms for other messages on the problem.

SSMD0128 The message delog process failed to complete successfully

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager started a delog requested by the Data Server, but the delog process exited with an error status.

System Action: An error window is displayed.

Administrator Action: Dismiss the error window. Check the HPSS log or the SSM alarms to see if there is more information on the problem.

SSMD0129 Can't delete this device or drive without its partner

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM Data Server requested deletion of a Mover device configuration entry, without requesting deletion of the corresponding PVL drive (or vice versa).

System Action: An error window is displayed. The operation is aborted.

Administrator Action: Dismiss the error window. This situation should not occur, as the Data Server is written so as to make it impossible. If it does occur, examine the Data Server code to find out how the erroneous request was permitted.

SSMD0130 Target server rejected request; invalid argument passed

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager relayed a Data Server request to another HPSS server, but the server rejected the request due to an invalid API argument.

System Action: An error window may be displayed; the operation is aborted.

Administrator Action: Dismiss the error window (if any). Check the HPSS log or the SSM alarms for other messages on the problem.

SSMD0131 Request failed; target server reported a resource allocation failure

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager relayed a Data Server request to another HPSS server, but the server reported a resource allocation error (e.g., a malloc failure).

System Action: An error window may be displayed; the operation is aborted.

Administrator Action: Dismiss the error window (if any). Check the HPSS log or the SSM alarms for other messages on the problem.

SSMD0133 Request rejected; Data Server's client ID is invalid

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager rejected a request from the Data Server because the client ID sent from the Data Server was invalid.

System Action: The operation is aborted.

Administrator Action: Check Data Server code to find where the invalid client ID is coming from.

SSMD0134 SSM System Manager rejected request; invalid argument(s) passed

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager rejected a request from the Data Server because one or more API arguments were invalid.

System Action: An error window may be displayed. The operation is aborted.

Administrator Action: Dismiss any error window. Check Data Server and System Manager code to find where the invalid argument is coming from.

SSMD0135 Config failed; requested operation not valid for configuration type

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager rejected a configuration request from the Data Server because the type of the request was invalid for the specified configuration. This could occur, for example, if the Data Server requested a configuration Update on a type of configuration which did not permit updates.

System Action: An error window is displayed; the user request is discarded.

Administrator Action: Dismiss the error window. Check Data Server code to see how the invalid request was generated. These errors should be blocked in the Data Server before being sent to the System Manager.

SSMD0136 Request failed; requested operation not valid for managed object

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager rejected a managed object request from the Data Server because the requested operation is not valid for the managed object (for example, attempting to modify a managed object which cannot be modified).

System Action: An error window is displayed. The user request is discarded.

Administrator Action: Dismiss the error window. Check Data Server code to see how the invalid request was generated. These errors should be blocked in the Data Server before being sent to the System Manager.

SSMD0137 An unspecified Metadata Manager failure occurred

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager was unable to complete a request because of a metadata error reported by the Metadata Manager.

System Action: An error window may be displayed. The operation is aborted.

Administrator Action: Dismiss any error window. Examine the HPSS log or the SSM alarms for other messages from the System Manager or the Metadata Manager for more information.

SSMD0138 Do basic BFS and SS configs before a MPS-specific one

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user attempted to create a type-specific configuration for a Migration / Purge Server, when the prerequisite servers did not yet exist. Basic configurations for a Bitfile Server and a Storage Server must exist before a type-specific Migration / Purge Server configuration can be created.

System Action: An error window is displayed. The user request is discarded.

Administrator Action: Dismiss the error window. Create basic configurations for the prerequisite servers before configuring the Migration / Purge Server.

SSMD0139 SSM System Manager could not find the record in a configuration file

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager was unable to complete a request because a required metadata record could not be found.

System Action: An error window is displayed. The user request is discarded.

Administrator Action: This should not occur, due to the way in which the SSM Data Sever controls configuration. If it does occur, examine the Data Server code to determine the source of the error.

SSMD0140 CheckIn with SSM System Manager failed; no room in client table

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM Data Server attempted to check in with the System Manager, but the System Manager was already serving its maximum number of SSM clients, and rejected the checkin.

System Action: The Data Server continues to run, but cannot communicate with the System Manager.

Administrator Action: Either shut down some other System Manager clients, or modify the SSM System Manager code to permit a greater number of simultaneous clients.

SSMD0148 Can't find the SS which owns that physical volume

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user attempted to retrieve a Storage Server physical volume managed object. To do this, the SSM System Manager has to search for the Storage Server which owns the physical volume. The System Manager has reported that it cannot find the Storage Server which owns the specified physical volume.

System Action: An error window is displayed. The user request is discarded.

Administrator Action: Review physical volume metadata to find out why the physical volume seems to have no valid owner. The owning Storage Server may have been deleted from the HPSS configuration without first having deleted the resources owned by that Storage Server.

SSMD0149 Request failed; no startup daemon is configured for the target host

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager was asked to perform a function requiring the assistance of an SSM Startup Daemon, and no Startup Daemon for the target host was found in the HPSS configuration.

System Action: An error window may be displayed; the operation is aborted.

Administrator Action: Dismiss the error window (if any). Either create the missing Startup Daemon configuration, or check into why SSM cannot find it.

SSMD0150 Config failed; SSM System Manager could not find config file

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager attempted to process a configuration request from the Data Server, but the required configuration file could not be found.

System Action: An error window is displayed. The user request is discarded.

Administrator Action: Dismiss the error window. Examine the HPSS metadata configuration carefully to find why the needed Encina file was not found. The file may have been deleted improperly.

SSMD0151 Do basic BFS config before a NS-specific one

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user attempted to create a type-specific configuration for a Name Server, when the prerequisite server did not yet exist. A basic configuration for a Bitfile Server must exist before a type-specific Name Server configuration can be created.

System Action: An error window is displayed. The user request is discarded.

Administrator Action: Dismiss the error window. Create basic configuration for the prerequisite server before configuring the Name Server.

SSMD0152 A request to open a required file was unsuccessful

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager was unable to complete a request because of a file open error.

System Action: An error window may be displayed. The operation is aborted.

Administrator Action: Dismiss any error window. Examine the HPSS log or the SSM alarms for other messages from the System Manager to determine which file caused the problem, and the exact nature of the file open error.

SSMD0154 Resource Delete failed; resource is busy

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user requested the deletion of Storage Server resources, but the request was refused by the Storage Server because the specified resources are in use.

System Action: An error window is displayed; the user request is discarded.

Administrator Action: Dismiss the error window; check the HPSS log or SSM alarms for Storage Server messages giving more information on the error. Do not attempt to delete storage resources which are in use.

SSMD0155 Unexpected RPC error: <DCE error text>

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: A DCE RPC to the SSM System Manager returned an unexpected DCE error. (Commonly encountered DCE errors are translated to other messages by the HPSS handles library.)

System Action: An error window may be displayed. The current Data Server operation is aborted.

Administrator Action: Dismiss the error window if necessary. Look up the DCE error message and determine the source of the problem.

SSMD0156 Shutdown request for server '<server_name>' failed

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user attempted to shut down an HPSS server, but the request failed.

System Action: An error window is displayed; the user request is discarded.

Administrator Action: Dismiss the error window; check the HPSS log or the SSM alarms for messages giving more information on why the shutdown attempt failed.

SSMD0157 Request returned HPSS status <error_code>

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager returned an error from a DCE RPC call. The error is not recognized as an SSM error, and was probably generated by another HPSS server called by the System Manager. <error_code> is the symbolic name of an HPSS error code. If the error is not recognized as an HPSS error, then <error_code> will simply be a number.

System Action: An error window may be displayed. The current Data Server operation is aborted.

Administrator Action: Dismiss the error window if necessary. Check the HPSS log file for other log messages from the initiating server, or look up the error code and take appropriate action.

SSMD0158 SSM System Manager reported an unspecified internal error

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager was unable to complete a request due to some unspecified internal condition.

System Action: An error window may be displayed. The operation is aborted.

Administrator Action: Dismiss any error window. Examine the HPSS log or the SSM alarms for more information. It may be necessary to shut down SSM and restart it.

SSMD0159 General resource or synchronization failure in SSM System Manager

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager was unable to complete a request because it encountered an internal resource or synchronization problem (inability to malloc, inability to lock a mutex, etc.).

System Action: An error window may be displayed. The operation is aborted.

Administrator Action: Dismiss any error window. Examine the HPSS log or the SSM alarms for more messages from the System Manager.

SSMD0160 Request failed for <num> servers

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: A request involving multiple servers (e.g., a request to start all servers) was partially successful; <num> shows the number of servers for which the request failed.

System Action: An error window is displayed.

Administrator Action: Dismiss the error window. Examine the HPSS log or the SSM alarms to see more error messages on a server-by-server basis.

SSMD0161 Server must be down before changing its configuration data

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user attempted to modify configuration data which cannot be modified unless the server using it is not running. For example, device / drive configurations may not be modified while a PVL or PVR is running.

System Action: An error window is displayed; no message is logged. The user request is discarded.

Administrator Action: Dismiss the error window. Either shut down the pertinent servers, or wait to change the configuration until a time when they are down.

SSMD0162 SSM System Manager does not recognize that server

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager rejected a request because it was directed at an unrecognized server.

System Action: An error window may be displayed. The operation is aborted.

Administrator Action: Dismiss any error window. Examine the HPSS log or the SSM alarms for more messages from the System Manager. Examine the Data Server code to find how the offending server ID is being generated.

SSMD0163 SSM configuration must be created before any others

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user attempted to create a configuration for a new server, when no configuration for SSM existed yet. The SSM server configuration must be the first one created, since all the others refer to SSM's UUID.

System Action: An error window is displayed. The user request is discarded.

Administrator Action: Dismiss the error window. This should not occur, because if the System Manager does not detect an SSM configuration when it starts, it creates one automatically. If the automatic creation fails, there may be other metadata problems needing attention.

SSMD0164 Do basic BFS and PVL configs before a SS-specific one

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user attempted to create a type-specific configuration for a Storage Server, when the prerequisite servers did not yet exist. Basic configurations for an Bitfile Server and a PVL must exist before a type-specific Storage Server configuration can be created.

System Action: An error window is displayed. The user request is discarded.

Administrator Action: Dismiss the error window. Create basic configurations for the prerequisite servers before configuring the Storage Server.

SSMD0165 Verification of newly-created SS volume(s) failed

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: On a request to create Storage Server volumes, the SSM System Manager was unable to verify the new volumes after asking the Storage Server to create them.

System Action: An error window is displayed.

Administrator Action: Dismiss the error window. Examine the HPSS log or the SSM alarms for other messages relating to the problem.

SSMD0166 Startup request for server '<server_name>' failed

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user attempted to start an HPSS server, but the startup request failed.

System Action: An error window is displayed; the user request is discarded.

Administrator Action: Dismiss the error window; check the HPSS log or the SSM alarms for messages giving more information on why the startup attempt failed.

SSMD0167 Server startup failed; server is not configured as executable

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user requested a startup on a server which is not configured as "executable".

System Action: An error window is displayed. No error is logged. The user request is discarded.

Administrator Action: Dismiss the error window. Either do not attempt to start the offending server, or modify the server's basic configuration to set the "executable" bit, and retry the startup command. The SSM Data Server should not permit start requests for non-executable servers.

SSMD0168 An Encina database transaction was aborted

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM System Manager was unable to complete a request because an Encina transaction involved in the request was aborted.

System Action: An error window may be displayed. The operation is aborted.

Administrator Action: Dismiss any error window. Examine the HPSS log or the SSM alarms for more information. Retrying the operation may succeed.

SSMD0169 Bad input descriptor for object copy; class = <num>, pointer = <address>

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: An SSM Data Server internal error. The input data object descriptor submitted to ds_copy_svr_data was invalid.

System Action: The data object is not copied; operation continues with unpredictable results.

Administrator Action: Examine Data Server code to find out where the bad data descriptor is coming from.

SSMD0170 Bad output descriptor for object copy; class = <num>, pointer = <address>

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: An SSM Data Server internal error. The output data object descriptor submitted to ds_copy_svr_data was invalid.

System Action: The data object is not copied; operation continues with unpredictable results.

Administrator Action: Examine Data Server code to find out where the bad data descriptor is coming from.

SSMD0171 Class mismatch for object copy; input = <num1>, output = <num2>

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: An SSM Data Server internal error. The data classes specified in the input and output object descriptors submitted to ds_copy_svr_data did not match.

System Action: The data object is not copied; operation continues with unpredictable results.

Administrator Action: Examine Data Server code to find out where the data mismatch is occurring.

SSMD0172 Cartridge '<cart_name>' has been successfully moved

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: A "move cartridge" operation has completed successfully.

System Action: A message window is displayed; no message is logged.

Administrator Action: Dismiss the message window.

SSMD0173 Move request for cartridge '<cart_name>' failed

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: A "move cartridge" operation has failed.

System Action: An error window is displayed; no message is logged.

Administrator Action: Examine the HPSS log for messages from the SSM System Manager and other servers to determine why the move request failed.

SSMD0174 Sammi returned a null DFD pointer for DFD descriptor <num>

Source Files Generating Error Message: ssm_ds_errors.c

Problem Description: A DFD descriptor received from Sammi was translated to a DFD structure pointer, but the returned pointer was null.

System Action: The DFD is ignored for the current operation.

Administrator Action: This should not occur. If it does occur, check that the Data Server is communicating properly with the Sammi runtime.

SSMD0175 Unexpected data in '<field_name>' field of '<struct_name>' structure

Source Files Generating Error Message: ssm_ds_errors.c

Problem Description: The SSM Data Server has noticed an inconsistency in an HPSS data structure. This can occur if, for example, a managed object is requested for drive ID 1234, and the returned managed object has 5678 in the drive ID field.

System Action: The current operation with the corrupted structure is aborted.

Administrator Action: Examine Data Server and System Manager code to determine where the error is occurring. The problem may also be in another HPSS server which is sending erroneous data.

SSMD0176 Request to check in with SSM System Manager failed

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: The SSM user selected the "Ping SSM System Manager" main menu option, and the checkin attempt failed.

System Action: An error window is displayed; no message is logged.

Administrator Action: Dismiss the error window. Examine the HPSS log to get more information on the cause of the error. Make sure that the SSM System Manager is running.

SSMD0180 You can't add any more cartridges or volumes; the list is full

Source Files Generating Error Message: ssm_ds_writedata.c

Problem Description: The SSM user was filling in a list of cartridges or volumes for an Import, Create Resources, etc., and attempted to add more items than the list could hold.

System Action: An error window is displayed; no message is logged. The overflow items are discarded.

Administrator Action: Execute the media operation (Import or whatever) with the current list, and begin another operation to do more cartridges or volumes.

SSMD0181 SSM System Manager server index changed from <num1> to <num2>

Source Files Generating Error Message: ssm_ds_notify.c

Problem Description: A list notification was received from the SSM System Manager, and the System Manager's server ID did not match that received in previous notifications.

System Action: SSM operation continues.

Administrator Action: This message is a warning only. It may be normal if the System Manager has gone down and come back up while the Data Server continued to run. If these messages occur with some frequency, the cause should be investigated.

SSMD0182 Fill did not complete; name format overflowed

Source Files Generating Error Message: ssm_ds_writedata.c

Problem Description: The SSM user was filling in a list of cartridges or volumes for an Import, Create Resources, etc., and selected a starting name, fill increment, and fill count such that the fill could not be completed without "overflowing" the name format. This might happen if the starting name was ZZZ000, for example, with a fill increment of 100, and a fill count of 10.

System Action: An error window is displayed; no message is logged. The fill operation stops at the point where it cannot go any farther.

Administrator Action: Dismiss the error window. Avoid selecting starting names, fill increments, and fill counts which result in impossible cartridge names.

SSMD0183 Please complete the 'Initialization Fields' first

Source Files Generating Error Message: ssm_ds_sendcmd.c, ssm_ds_writedata.c

Problem Description: On the "Create SS Resources" window, the SSM user attempted to begin entering volume names in the PV-VV table before completing the Initialization Fields at the top of the window.

System Action: An error window is displayed; no message is logged. User input is discarded.

Administrator Action: Dismiss the error window. Fill in all of the Initialization Fields before entering any volume names.

SSMD0184 PV-VV table is being reinitialized

Source Files Generating Error Message: ssm_ds_sendcmd.c, ssm_ds_writedata.c

Problem Description: On the “Create SS Resources” window, the SSM user changed the “VVs to Create” field after having filled in some of the PV-VV table.

System Action: An error window is displayed; no message is logged. The PV-VV table is cleared and all existing PV names are discarded.

Administrator Action: Dismiss the error window.

SSMD0185 Please complete the PV-VV table first

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: On the "Create SS Resources" window, the SSM user pushed the "Create" button before the PV-VV table was completely filled in.

System Action: An error window is displayed; no message is logged. The "Create" button is ignored.

Administrator Action: Dismiss the error window. Do not attempt to push the "Create" button until all PVs have been specified for all of the desired VVs being created.

SSMD0187 Request to send a command to the Sammi runtime failed

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: The SSM Data Server attempted to send a command to the Sammi runtime, but an error was returned from the s2_send_cmd call.

System Action: The command is discarded, and is thus not received by the Sammi runtime. The Data Server continues to run.

Administrator Action: Examine the HPSS log to get more details on the error. Make sure Sammi is running correctly.

SSMD0188 Error detaching a thread

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: The SSM Data Server attempted to detach a thread, but the detach call failed.

System Action: Operation continues. When the thread exits, its thread object will not be deleted, but will continue to exist uselessly until the Data Server exits.

Administrator Action: Examine the HPSS log for the error code accompanying the message. Consult the DCE documentation to see what caused the error, and what the remedy might be.

SSMD0191 Write length mismatch; DFD length = <num1>, write length = <num2>

Source Files Generating Error Message: ssm_ds_writedata.c

Problem Description: The SSM Data Server has detected an error in a Sammi data structure. A Sammi write-data event delivered a data item which differed in size from the data size specified in the parent DFD.

System Action: The input is discarded.

Administrator Action: This should never happen. If it does, check to make sure that Sammi is running correctly.

SSMD0192 Create SS Resources failed after creating <num1> PVs and <num2> VVs

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: A Create SS Resources request failed. The message reports the number of successes which occurred before the failure.

System Action: An error window is displayed. The remainder of the Create request is aborted.

Administrator Action: Dismiss the error window. Examine the HPSS log for other messages giving more information on the error. Repair the error condition, if possible, and retry the Create operation.

SSMD0193 Delete SS Resources failed after deleting <num> PVs

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: A Delete SS Resources request failed. The message reports the number of successes which occurred before the failure.

System Action: An error window is displayed. The remainder of the Delete request is aborted.

Administrator Action: Dismiss the error window. Examine the HPSS log for other messages giving more information on the error. Repair the error condition, if possible, and retry the Delete operation.

SSMD0194 Export Volumes failed after exporting <num> volumes

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: An Export Volumes request failed. The message reports the number of successes which occurred before the failure.

System Action: An error window is displayed. The remainder of the Export request is aborted.

Administrator Action: Dismiss the error window. Examine the HPSS log for other messages giving more information on the error. Repair the error condition, if possible, and retry the Export operation.

SSMD0195 Import Volumes failed after importing <num> volumes

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: An Import Volumes request failed. The message reports the number of successes which occurred before the failure.

System Action: An error window is displayed. The remainder of the Import request is aborted.

Administrator Action: Dismiss the error window. Examine the HPSS log for other messages giving more information on the error. Repair the error condition, if possible, and retry the Import operation.

SSMD0196 No target for DCN: server = <server_id>, bitmap = <bitmap>, class = <num>

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: A data change notification was received for which the SSM Data Server could find no target. In other words, the Data Server was not expecting the notification.

System Action: The notification is discarded.

Administrator Action: The source of the notification should be investigated to determine why unwanted notifications are being received.

SSMD0198 Error closing connection to System Manager

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM Data Server attempted to close a connection to the System Manager, but failed.

System Action: Operation continues.

Administrator Action: Examine the HPSS log for more information on why the problem occurred.

SSMD0199 Error opening connection to System Manager

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM Data Server attempted to open a connection to the System Manager, but failed.

System Action: Operation continues, with severely limited functionality.

Administrator Action: If the problem is caused by the System Manager not being up, start the System Manager. Otherwise examine the HPSS log for more information on why the problem occurred.

SSMD0201 The target server does not support the requested operation

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM Data Server issued a request to another HPSS server, but the target server reported that it does not support the request. This may occur, for example, if the Data server sends a “Reinitialize” request to a server which does not support Reinitialization.

System Action: An error window may be displayed. The current operation is aborted.

Administrator Action: Dismiss any error window.

SSMD0202 SSM Data Server has completed HPSS connection to System Manager

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The SSM Data Server has successfully completed a connection to the System Manager.

System Action: None.

Administrator Action: None (informational message only).

SSMD0204 Do a basic PVL config before a PVR-specific one

Source Files Generating Error Message: ssm_ds_wrappers.c

Problem Description: The user attempted to create a type-specific configuration for a PVR server before creating any PVL servers. A basic PVL configuration must exist before a PVR-specific configuration is created.

System Action: An error window is displayed. The user request is discarded.

Administrator Action: Dismiss the error window. Create a basic PVL configuration before configuring the PVR.

SSMD0205 Repack on storage class '<sclass_name>' completed successfully

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: A storage class repack request has completed successfully.

System Action: A message window is displayed.

Administrator Action: None (informational message only).

SSMD0206 Repack on storage class '<sclass_name>' failed

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: A storage class repack request has failed.

System Action: An error window is displayed.

Administrator Action: Examine the HPSS log for more information on the cause of the error.

SSMD0207 Reclaim on storage class '<sclass_name>' completed successfully

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: A storage class reclaim request has completed successfully.

System Action: A message window is displayed.

Administrator Action: None (informational message only).

SSMD0208 Reclaim on storage class '<sclass_name>' failed

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: A storage class reclaim request has failed.

System Action: An error window is displayed.

Administrator Action: Examine the HPSS log for more information on the cause of the error.

SSMD0209 Invalid character in number input; please try again

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: The SSM user entered one or more invalid (i.e., non-numeric) characters into a numeric field.

System Action: An error window is displayed; no message is logged. User input is discarded, and the field is set to zero.

Administrator Action: Dismiss the error window. Retry the input with numeric characters only.

SSMD0210 Number input is too big; using maximum possible value

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: The SSM user entered a value in a numeric field which is too large to be converted into binary representation.

System Action: An error window is displayed; no message is logged. User input is discarded, and the field is set to the maximum possible value.

Administrator Action: Dismiss the error window. Either accept the maximum as displayed, or reenter a smaller value.

SSMD0211 Invalid bytecount label in number input; please try again

Source Files Generating Error Message: ssm_ds_utility.c

Problem Description: The SSM user entered text in a "byte count" entry field which could not be interpreted. Valid byte count labels are strings such as "MB" or "GB" to represent megabytes or gigabytes. An unrecognized string following a number will cause this error.

System Action: An error window is displayed; no message is logged. User input is discarded, and the field is set to zero.

Administrator Action: Dismiss the error window. Retry the input with valid characters only.

SSMD0213 <request_type> request failed for <num> devices or drives

Source Files Generating Error Message: ssm_ds_devdrvlist.c

Problem Description: On the "HPSS Devices and Drives" window, the SSM user clicked a button to perform an operation on a selected device or drive (Lock, Unlock, Dismount, etc.) and the request failed.

System Action: An error window is displayed; no message is logged.

Administrator Action: Dismiss the error window. Examine the HPSS log for more information on the cause of the error.

SSMD0216 Please pick a new server type before doing anything else

Source Files Generating Error Message: ssm_ds_sendcmd.c

Problem Description: On the "Basic Server Configuration" window, the SSM user attempted to begin defining a new server before selecting the server type.

System Action: An error window is displayed; no message is logged. User input is discarded.

Administrator Action: Dismiss the error window. Click on the "New Server Type" window to pop up a list of server types, and select one before continuing with the new server configuration.

SSMD0217 A logging policy exists for '<server>'; please delete it first

Source Files Generating Error Message: ssm_ds_writedata.c

P*roblem Description:* On the "Basic Server Configuration" window, the SSM user entered a new "Server Name" value for an existing server. The SSM Data Server has detected that a logging policy exists for the server. Since the logging policy is linked to the server name, changing the name would "orphan" the logging policy, leaving a useless policy in HPSS metadata.

System Action: An error window is displayed; no message is logged. User input is discarded.

Administrator Action: Dismiss the error window. If you want to change the name of the server, delete the server's logging policy first, and then retry.

SSMD0219 Tape Check-In request of type %d was not recognized

Source Files Generating Error Message: ssm_ds_checkwork.c

Problem Description: An SSM Data Server internal error. A shelf tape request has been dequeued for processing, but the request type has not been recognized.

System Action: The shelf tape request is discarded.

Administrator Action: Examine Data Server code to find the source of the bad shelf tape request item.

Chapter 26

SSM System Manager Error Messages (SSMS Series)

SSMS0001 **Entering function %s**
(%s is a module name)

Source Files Generating Error Message: acct/ssm_sm_AcctChange.c, acct/ssm_sm_AcctRun.c, adm/ssm_sm_Adm.c, adm/ssm_sm_adm_bind_c.c, adm/ssm_sm_adm_bind_s.c, adm/ssm_sm_adm_build_cos.c, adm/ssm_sm_adm_build_drive.c, adm/ssm_sm_adm_build_hier.c, adm/ssm_sm_adm_build_migrp.c, adm/ssm_sm_adm_build_purgp.c, adm/ssm_sm_adm_build_sclass.c, adm/ssm_sm_adm_cleanup.c, adm/ssm_sm_adm_connect.c, adm/ssm_sm_adm_halt_one.c, adm/ssm_sm_adm_net_init.c, adm/ssm_sm_adm_read_cf.c, adm/ssm_sm_adm_register_sm.c, adm/ssm_sm_adm_reinit_one.c, adm/ssm_sm_adm_repair_one.c, adm/ssm_sm_adm_shut_one.c, adm/ssm_sm_adm_start_one.c, attr/ssm_sm_AttrGet.c, attr/ssm_sm_AttrReg.c, attr/ssm_sm_AttrSet.c, attr/ssm_sm_attr_reg.c, attr/ssm_sm_attr_rereg.c, attr/ssm_sm_attr_set.c, client/ssm_sm_CheckIn.c, client/ssm_sm_CheckOut.c, config/ssm_sm_ConfigAdd.c, config/ssm_sm_ConfigDelete.c, config/ssm_sm_ConfigGetDefault.c, config/ssm_sm_ConfigRead.c, config/ssm_sm_ConfigUpdate.c, devices/ssm_sm_DriveDismount.c, jobs/ssm_sm_JobCancel.c, misc/ssm_sm_Delog.c, misc/ssm_sm_srvinfo_alloc_local.c, misc/ssm_sm_srvinfo_alloc_rpc.c, notify/ssm_sm_LogMsgNotify.c, notify/ssm_sm_MountNotify.c, storage/ssm_sm_CartExport.c, storage/ssm_sm_CartImport.c, storage/ssm_sm_CartMove.c, storage/ssm_sm_ResourceCreate.c, storage/ssm_sm_ResourceDelete.c, storage/ssm_sm_ResourceReclaim.c, storage/ssm_sm_ResourceRepack.c

Problem Description: A trace message indicating the System Manager is entering the specified function.

System Action: None

Administrator Action: None, informational

SSMS0003 **Issuing delog command: %s**
(%s is the text of the delog command)

Source Files Generating Error Message: misc/ssm_sm_Delog.c

Problem Description: A trace message reporting the delog command the System Manager is about to issue with its options and arguments.

System Action: None

Administrator Action: None, informational

SSMS0004 **Searching table of registered mobject attribs; server %d MO %d**
(server %d is the server id)
(MO %d is the managed object type)

Source Files Generating Error Message: notify / ssm_sm_process_notification.c

Problem Description: A trace message reporting the System Manager's progress as it searches the table of managed object attributes for which SSM clients are registered to receive notifications.

System Action: None

Administrator Action: None, informational

SSMS0005 **Server %d type %d name %s uuid %s**
(Server %d is the server id)
(type %d is server type)
(name %s is the server descriptive name)
(uuid %s is the server uuid)

Source Files Generating Error Message: adm / ssm_sm_adm_read_cf.c

Problem Description: A trace message reporting an entry from the System Manager's server list, built from the HPSS server config file. The server type values are those defined in mm_idl_types.idl and ssm_defs.idl.

System Action: None

Administrator Action: None, informational

SSMS0006 **HPSS or SSM error number: %d**
(%d is an HPSS or ssm sm error number)

Source Files Generating Error Message: misc / ssm_sm_log.c, notify / ssm_sm_process_notification.c

Problem Description: The System Manager has experienced the specified error. This message will always accompany another message that describes more detail about the problem the System Manager experienced.

System Action: Depends on the particular problem.

Administrator Action: Examine the log for related messages.

SSMS0007 **DCE error message: %s**
(%s is a DCE message)

Source Files Generating Error Message: misc / ssm_sm_log.c

Problem Description: The System Manager has experienced the specified DCE error.

System Action: Depends upon the particular problem.

Administrator Action: Examine the log for related messages.

SSMS0008 **Encina error message: %s**
(%s is a trpc or encina error message)

Source Files Generating Error Message: misc / ssm_sm_log.c

Problem Description: The System Manager has experienced the specified trpc or encina error.

System Action: Depends upon the particular problem.

Administrator Action: Examine the log for related messages.

SSMS0009 **Metadata Manager error message: %s**
(%s is a Metadata Monitor error message)

Source Files Generating Error Message: misc/ssm_sm_log.c

Problem Description: The System Manager has experienced the specified metadata monitor error.

System Action: Depends upon the particular problem.

Administrator Action: Examine the log for related messages.

SSMS0010 **HPSS SSM System Manager initializing**

Source Files Generating Error Message: adm/ssm_sm_init.c

Problem Description: The System Manager is initializing.

System Action: The System Manager will attempt to read the General Server Configuration File, initialize its internal tables, register with DCE, and assess the status of each server.

Administrator Action: None, informational

SSMS0011 **Starting all HPSS servers**

Source Files Generating Error Message: adm/ssm_sm_adm_start_all.c

Problem Description: A trace message indicating the System Manager is starting all servers. Note: this function is never requested of the System Manager by the current implementation of the Data Server.

System Action: None

Administrator Action: None, informational

SSMS0012 **Startup of server %s initiated**
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_start_one.c

Problem Description: The System Manager has started the specified server.

System Action: The System Manager will attempt to connect to the server.

Administrator Action: Cautious optimism. Watch for events from the server indicating its initialization is complete and from the System Manager indicating it could connect to the server.

SSMS0013 **Startup of server %s failed**
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_start_one.c

Problem Description: The System Manager was unable to start the specified server.

System Action: None

Administrator Action: Examine the log for related messages. Make certain the server's execution bit is turned on, the startup daemon for its host is configured, up, and connected to SSM, the executable path name for the server in the general server config file is correct, and the permissions on the executable file are correct.

SSMS0014 HPSS SSM System Manager initialization complete

Source Files Generating Error Message: adm/ssm_sm_main.c

Problem Description: The System Manager has completed initialization, including reading the HPSS server config file, registering with DCE, and initializing its internal tables.

System Action: None

Administrator Action: None, informational

SSMS0015 HPSS SSM System Manager initialization failed

Source Files Generating Error Message: adm/ssm_sm_main.c

Problem Description: The System Manager initialization has failed.

System Action: The System Manager will exit.

Administrator Action: Examine the log for related messages. Make certain DCE and Encina are functioning properly. Make certain the executable pathname and the server config file name specified in the hpss_env file are correct.

SSMS0016 Shutting down all HPSS servers

Source Files Generating Error Message: adm/ssm_sm_adm_shut_all.c

Problem Description: A trace message indicating the System Manager is shutting down all servers. Note: this function is never requested of the System Manager by the current implementation of the Data Server.

System Action: None

Administrator Action: None, informational

SSMS0017 Shutdown of server %s initiated
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_shut_one.c

Problem Description: The System Manager has probably shut down the specified server. It has requested the server to shut down gracefully, and the server has said it would. It is possible, however, that the server could have had difficulty with the shutdown and is still running, or that it just hasn't quite completed the shutdown yet.

System Action: None

Administrator Action: Cautious optimism. Watch the server list window to see whether the server's Status eventually goes to DOWN.

SSMS0018 Shutdown of server %s failed
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_shut_one.c

Problem Description: The System Manager was unable to shutdown the specified server.

System Action: None

Administrator Action: Examine the log for related messages. If necessary, use the force halt command to stop the server.

SSMS0019 Reinitializing all HPSS servers

Source Files Generating Error Message: adm/ssm_sm_adm_reinit_all.c

Problem Description: A trace message indicating the System Manager is reinitializing all servers. Note: this function is never requested of the System Manager by the current implementation of the Data Server.

System Action: None

Administrator Action: None, informational

SSMS0020 Reinitialization of server %s complete
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_reinit_one.c

Problem Description: The System Manager reinitialized the specified server.

System Action: None

Administrator Action: None, informational

SSMS0021 Reinitialization of server %s failed
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_reinit_one.c

Problem Description: The System Manager could not reinitialize the specified server.

System Action: None

Administrator Action: Examine the log for related messages. Not all servers support the reinitialization operation. If reinitialization is necessary for those which do not, they must be shutdown and restarted.

SSMS0022 Network communications established with %s
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_connect.c

Problem Description: The System Manager has successfully connected to the specified server.

System Action: None

Administrator Action: None, informational

SSMS0023 Cannot establish network communications with %s
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_bind_c.c, adm/ssm_sm_adm_connect.c

Problem Description: The System Manager was unable to complete a network connection to the specified server.

System Action: None

Administrator Action: Determine whether the server is running and whether other network communications with its host are healthy.

SSMS0024 **Exiting cleanup, calling thread %d hpss_status %d rpc_status_total %d**
(1st %d is the calling thread)
(2nd %d is the final status of the function)
(3rd %d is the sum of all rpc call exit codes)

Source Files Generating Error Message: adm/ssm_sm_adm_cleanup.c

Problem Description: The System Manager is exiting the cleanup function in preparation for shutting down. The cleanup function is called twice. A calling thread id of 1 indicates the function is being called the first time, by a thread requesting a shutdown. The cleanup function will stop accepting further rpcs. A calling thread id of 2 indicates the function is being called by the main thread, after all open rpcs have completed, to quiesce transactions, free malloced memory, and unregister services before final exit.

System Action: The System Manager will exit.

Administrator Action: None if this is the result of a normal SSM shutdown. Otherwise, examine the log for related messages.

SSMS0026 **sigwait() failed**

Source Files Generating Error Message: adm/ssm_sm_adm_signal.c

Problem Description: The sigwait() system call failed.

System Action: The System Manager will exit.

Administrator Action: Examine the log for a related debug message of type SSMS0006 which will list the sigwait return code.

SSMS0027 **Checking in client %d %s**
(%d is the client id)
(%s is the client cds name)

Source Files Generating Error Message: client/ssm_sm_CheckIn.c

Problem Description: The specified client has been checked in.

System Action: None

Administrator Action: None, informational

SSMS0028 **Checking out client %d %s by client request**
(%d is the client id)
(%s is the client cds name)

Source Files Generating Error Message: client/ssm_sm_CheckOut.c

Problem Description: The specified client has been checked out because it issued an ssm_CheckOut call, generally as a result of an operator request to shutdown SSM.

System Action: None

Administrator Action: None, informational

SSMS0029 **No more client slots available**

Source Files Generating Error Message: client/ssm_sm_CheckIn.c

Problem Description: There is no more room in the System Manager's internal table to allow another client to check in.

System Action: The checkin attempt will fail.

Administrator Action: If it is necessary to check in this instance of the Data Server, shutdown one or more of the other Data Servers currently executing.

SSMS0031 No more device/drive slots available

Source Files Generating Error Message: adm/ssm_sm_adm_build_drive.c, config/ssm_sm_cf_drive_create.c

Problem Description: There is no more room in the System Manager's internal table of drives.

System Action: The System Manager may not be aware of all the drives defined in metadata and it will not allow any more drives to be created.

Administrator Action: Delete any unnecessary entries from the device/drive table.

SSMS0032 Cannot reach client %d %s: %d failures in last %d minutes %d seconds
(client %d is client id)
(%s is client cds name)
(%d failures is the number of failures)
(%d minutes is number of minutes)
(%d seconds is number of seconds)

Source Files Generating Error Message: client/ssm_sm_client_fail_check.c

Problem Description: The System Manager cannot contact the specified client.

System Action: If the System Manager cannot contact the client within 3 minutes, it will force it to checkout.

Administrator Action: Examine the log for a related debug message of type SSMS0007 which will list the DCE error message produced by this problem. Make certain the Data Server is still executing and that it is registered under the CDS name expected by the System Administrator.

SSMS0033 Cannot find startup daemon for host %s
(%s is a host name)

Source Files Generating Error Message: adm/ssm_sm_adm_find_startd.c

Problem Description: The System Manager cannot find an entry for a Startup Daemon for the specified host in the General Server Configuration File.

System Action: Servers for this host cannot be started, and in some cases cannot be halted, without the aid of the Startup Daemon.

Administrator Action: Configure an entry in the General Server Configuration File for a Startup Daemon on the specified host.

SSMS0035 Invalid configuration file type %d
(%d is a configuration file type)

Source Files Generating Error Message: config/ssm_sm_cf_log.c

Problem Description: The System Manager has received a request for an invalid configuration file type.

System Action: The request will fail.

Administrator Action: Contact HPSS Technical Support. This is an internal error.

SSMS0036 **Invalid managed object type %d**
(%d is a managed object type)

Source Files Generating Error Message: attr/ssm_sm_AttrGet.c, attr/ssm_sm_attr_reg.c, attr/ssm_sm_attr_set.c, misc/ssm_sm_srvinfo_copy.c, reg/ssm_sm_reg_create.c
Problem Description: The System Manager has received a request for an invalid managed object type.
System Action: The request will fail.
Administrator Action: Contact HPSS Technical Support. This is an internal error.

SSMS0037 **Invalid object id**

Source Files Generating Error Message: reg/ssm_sm_reg_search.c
Problem Description: The System Manager has received a request for an invalid object id.
System Action: The request will fail.
Administrator Action: Verify the object id specified on the input screen.

SSMS0038 **Invalid operation type 0x%x**
(%x is an operation type)

Source Files Generating Error Message: adm/ssm_sm_Adm.c, config/ssm_sm_cf_log.c
Problem Description: The System Manager has received a request for an invalid operation.
System Action: The request will fail.
Administrator Action: Contact HPSS Technical Support. This is an internal error.

SSMS0039 **Invalid operation 0x%x for config file type %d**
(1st %x is an operation type)
(2nd %x is a configuration file type)

Source Files Generating Error Message: config/ssm_sm_cf_log.c
Problem Description: The specified operation is not valid for the specified configuration file type.
System Action: The request will fail.
Administrator Action: None

SSMS0040 **Invalid server id %d**
(%d is a server id)

Source Files Generating Error Message: adm/ssm_sm_adm_check_one.c, sanity/ssm_sm_sanity_mo.c
Problem Description: The System Manager has received a request for an invalid server id.
System Action: The request will fail.
Administrator Action: Contact HPSS Technical Support. This is an internal error.

SSMS0042 **Invalid server type %d**
(%d is a server type)

Source Files Generating Error Message: adm/ssm_sm_adm_bind_s.c, attr/ssm_sm_AttrGet.c, attr/ssm_sm_attr_set.c
Problem Description: The System Manager has received a request for an invalid server type.
System Action: The request will fail.
Administrator Action: Contact HPSS Technical Support. This is an internal error.

SSMS0043 **Invalid uuid %s**
(%s is a uuid)

Source Files Generating Error Message: misc/ssm_sm_find_server_by_uuid.c

Problem Description: The System Manager has received a request for an invalid uuid.

System Action: The request will fail.

Administrator Action: Contact HPSS Technical Support. This is an internal error.

SSMS0044 **Null pointer where data required from caller**

Source Files Generating Error Message: reg/ssm_sm_reg_create.c

Problem Description: The System Manager has received a request for which one of the inputs should be a pointer to valid data, but isn't.

System Action: The request will fail.

Administrator Action: Contact HPSS Technical Support. This is an internal error.

SSMS0045 **Access was denied for the specified operation 0x%x**
(%x is an operation type)

Source Files Generating Error Message: acct/ssm_sm_AcctChange.c, acct/ssm_sm_AcctRun.c, adm/ssm_sm_Adm.c, attr/ssm_sm_AttrGet.c, attr/ssm_sm_AttrReg.c, attr/ssm_sm_AttrSet.c, client/ssm_sm_CheckIn.c, client/ssm_sm_CheckOut.c, config/ssm_sm_ConfigAdd.c, config/ssm_sm_ConfigDelete.c, config/ssm_sm_ConfigGetDefault.c, config/ssm_sm_ConfigRead.c, config/ssm_sm_ConfigUpdate.c, config/ssm_sm_cf_log.c, devices/ssm_sm_DriveDismount.c, jobs/ssm_sm_JobCancel.c, misc/ssm_sm_Delog.c, storage/ssm_sm_CartExport.c, storage/ssm_sm_CartImport.c, storage/ssm_sm_CartMove.c, storage/ssm_sm_ResourceCreate.c, storage/ssm_sm_ResourceDelete.c, storage/ssm_sm_ResourceReclaim.c, storage/ssm_sm_ResourceRepack.c

Problem Description: The client does not have permission to perform the specified operation.

System Action: The request will fail.

Administrator Action: Check the ACLs on the System Manager's Security object and make certain they provide the proper access for the client attempting the operation.

SSMS0046 **Cannot open file %s**
(%s is a UNIX or Encina file name)

Source Files Generating Error Message: adm/ssm_sm_adm_acct_init.c, adm/ssm_sm_adm_build_cos.c, adm/ssm_sm_adm_build_purgp.c, adm/ssm_sm_adm_read_cf.c, adm/ssm_sm_adm_root_set.c, adm/ssm_sm_init.c, config/ssm_sm_ConfigAdd.c, config/ssm_sm_ConfigDelete.c, config/ssm_sm_ConfigGetDefault.c, config/ssm_sm_ConfigRead.c, config/ssm_sm_ConfigUpdate.c, config/ssm_sm_cf_list_add.c, config/ssm_sm_cf_list_update.c

Problem Description: The specified file could not be opened.

System Action: The request will fail.

Administrator Action: Make certain the file exists and has the appropriate access permissions. For an Encina file, make certain SFS is running.

SSMS0049 Object ID type is incorrect for object type

Source Files Generating Error Message: reg/ssm_sm_reg_search.c

Problem Description: The System Manager has received a request for an object with an incorrect object id type.

System Action: The request may fail. This error can also occur in the internal table of registered managed objects; in this case, the System Manager will attempt to continue processing if possible.

Administrator Action: Contact HPSS Technical Support. This is an internal error.

SSMS0050 Bad entry in registered attribute table; object type %d, server %d
(1st %d is an object type)
(2nd %d is a server id)

Source Files Generating Error Message: notify/ssm_sm_collect_reg_clients.c

Problem Description: The System Manager has encountered a corrupt entry in its table of managed object attributes for which SSM clients are registered to receive notifications. The entry may have conflicting information, or it may be for a client who is no longer checked in.

System Action: The System Manager will attempt to continue.

Administrator Action: Contact HPSS Technical Support. This is an internal error.

SSMS0061 First entry in Server Config file must be for SSM System Manager

Source Files Generating Error Message: config/ssm_sm_cf_log.c

Problem Description: The first server added to the General Server Configuration File must be for the SSM System Manager, since every other entry includes the SSMSM UUID.

System Action: The System Manager will not supply the requested default entry for the General Server Configuration File.

Administrator Action: This should never happen, because when the System Manager is started for the first time after installation, it creates an entry for itself in the General Server Configuration File. However, if necessary, create the initial SSM entry.

SSMS0062 MPS, NS, and SS SC entries required before BFS CF creation

Source Files Generating Error Message: config/ssm_sm_cf_log.c

Problem Description: The user must create the MPS, Name Server, and Storage Server entries in the General Server Configuration File before adding an entry to the BFS Config File, since the BFS Config File entry must specify a server of each of these types.

System Action: The System Manager will not supply a default BFS Config File entry.

Administrator Action: Create the entries in the proper order.

SSMS0065 Cannot register service

Source Files Generating Error Message: adm/ssm_sm_adm_register_sm.c

Problem Description: The System Manager cannot register with DCE.

System Action: The System Manager will not initialize and will exit.

Administrator Action: Make certain that DCE is running, that the CDS name specified for the System Manager in the hpss_env file is correct, and that the CDS directory and Security object exist and have the correct ACLs. Examine the log for related message of type SSMS0007 which describe the specific DCE message.

SSMS0066 Cannot listen

Source Files Generating Error Message: adm/ssm_sm_main.c

Problem Description: The System Manager cannot listen for RPCs from clients.

System Action: The System Manager will not initialize and will exit.

Administrator Action: Make certain DCE is running. Examine the log for related message of type SSMS0007 which describe the specific DCE message.

SSMS0069 Cannot init connections for %s
(%s is the server descriptive name for the SSM System Manager)

Source Files Generating Error Message: adm/ssm_sm_adm_register_sm.c

Problem Description: The System Manager was unable to initialize the HPSS connection manager.

System Action: The System Manager will be unable to initialize and will exit.

Administrator Action: Make certain that DCE is running, that the CDS name specified for the System Manager in the hpss_env file is correct, and that the CDS directory and Security object exist and have the correct ACLs. Examine the log for related message of type SSMS0007 which describe the specific DCE message.

SSMS0070 Cannot open connection for %s
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_connect.c

Problem Description: The System Manager cannot open an HPSS connection to the specified server.

System Action: The System Manager will be unable to issue requests to the server.

Administrator Action: Make certain the server for which the failure occurred is executing. Check the network connectivity to its host.

SSMS0072 Cannot free binding handle for %s
(%s is a server descriptive name)

Source Files Generating Error Message: client/ssm_sm_CheckOut.c

Problem Description: The System Manager cannot free one of the binding handles used for the specified server.

System Action: None. The System Manager will attempt to continue. If the System Manager does reestablish communication with the server, it will allocate a new binding handle. Therefore, this problem can result in memory for stale binding handles accumulating in the system.

Administrator Action: Contact HPSS Technical Support.

SSMS0073 Cannot initialize binding handle for %s
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_bind_c.c, adm/ssm_sm_adm_net_init.c, wrapper/w_client_recon.c

Problem Description: The System Manager was unable to initialize the HPSS binding handle for the specified server.

System Action: The System Manager will be unable to issue requests to the server.

Administrator Action: About the only reason this might happen is that the System Manager is running out of memory; check its size.

SSMS0074 **Cannot get binding handle for %s**
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_bind_c.c, adm/ssm_sm_adm_bind_s.c, adm/ssm_sm_adm_connect.c, wrapper/ssm_sm_recon.c

Problem Description: The System Manager is unable to obtain a binding handle for the specified server.

System Action: The System Manager will be unable to issue requests to the server.

Administrator Action: Make certain the server for which the failure occurred is executing. Check the network connectivity to its host.

SSMS0076 **hpss_InitServer() failed**

Source Files Generating Error Message: adm/ssm_sm_init.c

Problem Description: The hpss_InitServer function call failed.

System Action: The System Manager will not be able to initialize and will exit.

Administrator Action: Make certain DCE is running and that the SSM DCE password is correct in the HPSS keytab file. See whether there is a Startup Daemon lockfile conflict.

SSMS0077 **Failure in Metadata Manager call**

Source Files Generating Error Message: adm/ssm_sm_adm_build_cos.c, adm/ssm_sm_adm_build_hier.c, adm/ssm_sm_adm_build_migrp.c, adm/ssm_sm_adm_build_purgp.c, adm/ssm_sm_adm_build_sclass.c, adm/ssm_sm_adm_read_cf.c, config/ssm_sm_ConfigGetDefault.c, config/ssm_sm_cf_list_update.c, config/ssm_sm_cf_log.c

Problem Description: A metadata manager library function has failed.

System Action: The request will fail.

Administrator Action: Examine the log for a related SSMS0009 message which will list the exact Metadata Manager error, if one was available.

SSMS0078 **Transaction aborted file %s function %s reason %s**
(1st %s is name of the C sourc efile where the abort occurred)
(2nd %s is the name of the function where the abort occurred)
(3rd %s is the reason issued by the process which caused the abort)

Source Files Generating Error Message: adm/ssm_sm_adm_acct_init.c, adm/ssm_sm_adm_build_drive.c, adm/ssm_sm_adm_read_cf.c, adm/ssm_sm_init.c, config/ssm_sm_ConfigAdd.c, config/ssm_sm_ConfigDelete.c, config/ssm_sm_ConfigGetDefault.c, config/ssm_sm_ConfigRead.c, config/ssm_sm_ConfigUpdate.c, config/ssm_sm_cf_drive_create.c, config/ssm_sm_cf_drive_delete.c, config/ssm_sm_cf_list_add.c, storage/ssm_sm_ResourceDelete.c, storage/ssm_sm_pvs_vv_map_create.c, storage/ssm_sm_pvs_vv_map_delete.c, wrapper/w_cns_recon.c, wrapper/w_ss_recon.c

Problem Description: A transaction has aborted.

System Action: The request will fail.

Administrator Action: Depends upon the reason for the abort.

SSMS0079 **Mutex initialization failed**

Source Files Generating Error Message: adm/ssm_sm_init.c

Problem Description: The System Manager was unable to initialize a mutex.

System Action: The System Manager will not be able to initialize and will exit.

Administrator Action: Contact HPSS Technical Support.

SSMS0080 Mutex lock failed

Source Files Generating Error Message: misc/ssm_sm_mutex_lock.c
Problem Description: The System Manager was unable to lock a mutex.
System Action: The request will fail and the System Manager will exit.
Administrator Action: Restart the System Manager and retry the request.

SSMS0081 Mutex unlock failed

Source Files Generating Error Message: misc/ssm_sm_mutex_unlock.c
Problem Description: The System Manager was unable to unlock a mutex.
System Action: The request will fail and the System Manager will exit.
Administrator Action: Restart the System Manager and retry the request.

SSMS0083 Cannot create signal handling thread

Source Files Generating Error Message: adm/ssm_sm_init.c
Problem Description: The System Manager is unable to create the thread for managing signals.
System Action: The System Manager will not initialize and will exit.
Administrator Action: Retry the HPSS startup. Perhaps the problem was temporary insufficient resources.

SSMS0084 Cannot initialize security

Source Files Generating Error Message: adm/ssm_sm_init.c
Problem Description: The HPSS function hsec_Init failed.
System Action: The System Manager will be unable to initialize and will exit.
Administrator Action: Make certain DCE is running and that the security values for the System Manager in the hpss_env file and the General Server Config File are correct.

SSMS0085 Server %s was already running
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_start_one.c
Problem Description: The attempt to start the specified server failed because the server was already running.
System Action: None
Administrator Action: It is possible that the Startup Daemon just thinks this server is up but it really isn't. See whether the SSM can connect to the server, or whether a ps on the server's host shows it running. If not, it may be necessary to restart the Startup Daemon on that host.

SSMS0086 Execute flag not set for server %s
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_start_one.c
Problem Description: The specified server could not be started because the EXECUTE_SERVER_FLAG is not set in the Flags field of its entry in the General Server Configuration File.
System Action: The System Manager will refuse to start the server.
Administrator Action: Use the configuration update screen to set the flag.

SSMS0087 **Condition variable failure for %s**
(%s is the name of a lock)

Source Files Generating Error Message: adm/ssm_sm_adm_check_one.c, client/ssm_sm_CheckIn.c, misc/ssm_sm_cond_lock.c, misc/ssm_sm_cond_unlock.c

Problem Description: The System Manager was unable to obtain or signal a condition variable. The lock name supplies as much information as possible to associate the lock with the resource it protects; for example, "SSM_SM_client BhLock ClientID 1" is the lock for the binding handle for client 1.

System Action: The request will fail

Administrator Action: Retry the request. Sometimes this happens because another thread is temporarily busy with the resource. If the error persists, recycle the SSM.

SSMS0088 **Cannot read server configuration file**

Source Files Generating Error Message: adm/ssm_sm_init.c

Problem Description: The System Manager cannot read the General Server Configuration File.

System Action: The System Manager will be unable to initialize and will exit.

Administrator Action: Make certain the General Server Configuration File name is specified correctly in the hpss_env file, and that the file exists and has the proper permissions.

SSMS0089 **Entry for %s is not in configuration file %s**
(1st %s is the name of a server, drive, or other system object)
(2nd %s is the name of a configuration file)

Source Files Generating Error Message: config/ssm_sm_cf_list_add.c, config/ssm_sm_cf_list_delete.c, config/ssm_sm_cf_list_update.c

Problem Description: The specified configuration file does not contain an entry for the specified object.

System Action: The request will fail.

Administrator Action: Use the configuration screens to add the appropriate entry.

SSMS0091 **BFS SC entry required before NS Config File creation**

Source Files Generating Error Message: config/ssm_sm_cf_log.c

Problem Description: The user must create the BFS entry in the General Server Configuration File before adding an entry to the Name Server Config File, since the Name Server Config File entry must specify a server of type BFS.

System Action: The System Manager will not supply a default Name Server Config File entry.

Administrator Action: Create the entries in the proper order.

SSMS0093 **PVL SC entry required before SS Config File creation**

Source Files Generating Error Message: config/ssm_sm_cf_log.c

Problem Description: The user must create the PVL entry in the General Server Configuration File before adding an entry to the Storage Server Config File, since the Storage Server Config File entry must specify a server of type PVL.

System Action: The System Manager will not supply a default Storage Server Config File entry.

Administrator Action: Create the entries in the proper order.

SSMS0095 **Reinitialization not supported by server %s**
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_reinit_one.c

Problem Description: The specified server does not support the operation of reinitialization.

System Action: None

Administrator Action: Shut down and restart the server to make it reread its configuration.

SSMS0096 **cdscp message: %s**
(%s is the output from the CDSCP program)

Source Files Generating Error Message: config/ssm_sm_cf_cds_create.c

Problem Description: This is the output from the CDSCP program which is called to create a new CDS directory and Security object for a server that has just been added or whose ServerName has been updated. It reports any error conditions from a failed directory creation attempt. If the directory or object was successfully created, the output after the colon is blank.

System Action: The System Manager won't even attempt the CDS creation until the server has been successfully added to the General Server Config File. The most common reason for failure of this operation is that the CDS directory already existed, perhaps from a previous installation, which may be legitimate. So the Data Server reports the error saying the server creation succeeded, but just the directory creation failed.

Administrator Action: None if the output is blank. Otherwise, determine first whether the failure is due to the fact that the directory already existed and whether this can be ignored. If not, determine whether the CDS name was specified correctly in the configuration file, and whether the parent directory exists and allows access to the System Manager. The System Manager will only create a new directory one level down from an existing directory; that is, if /a exists, it will create /a/b, but not /a/b/c.

SSMS0097 **acl_edit message: %s**
(%s is thte output from the acl_edit program)

Source Files Generating Error Message: config/ssm_sm_cf_cds_create.c

Problem Description: This is the output from the acl_edit program which is called to set permissions on a newly created CDS directory or Security object. It reports any error conditions from a failed acl_edit attempt. If the permissions were successfully set, the acl_edit output is blank.

System Action: The request will fail.

Administrator Action: None if the output is blank. Otherwise, determine if path names are specified correctly in the configuration file and if the System Manger has proper access to the parent CDS directory.

SSMS0098 **exec() of %s failed**
(%s is the name of the executable program being exec'ed)

Source Files Generating Error Message: acct/ssm_sm_AcctRun.c, misc/ssm_sm_doforkexec.c

Problem Description: The attempt to fork and exec the specified executable program failed.

System Action: The request will fail.

Administrator Action: Determine whether the path name for the specified program is defined correctly in the hpss_env file, and whether it allows access to the System Manager.

SSMS0099 **Server %s has been notified of repair**
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_repair_one.c

Problem Description: The specified server has been informed that an error condition that it had previously reported to the System Manager was repaired by the operator.

System Action: The server should clear its error flags. If, however, the problem was not truly fixed, the server is likely to discover this and immediately reset its error flags.

Administrator Action: None, informational.

SSMS0100 **Notification of repair to server %s failed**
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_repair_one.c

Problem Description: The System Manager was unable to notify the specified server that an error condition previously reported by the server was repaired by the operator.

System Action: None

Administrator Action: Determine whether the specified server is executing, and check network connectivity to its host.

SSMS0101 **Notification of repair not supported by server %s**
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_repair_one.c

Problem Description: The specified server does not support this operation.

System Action: None

Administrator Action: Some servers do not support the repair function and will return HPSS_ENOTSUPPORTED. If it is necessary to clear the server's error states, shutdown and restart it.

SSMS0102 **No entry for SSM in Server Config File; added default entry**

Source Files Generating Error Message: adm/ssm_sm_init.c

Problem Description: No entry was found in the General Server Configuration File for the SSM System Manager.

System Action: The System Manager has added an entry for itself using the default values specified in the hpss_env file.

Administrator Action: Usually none. This is the default behavior of the System Manager when it is started for the first time after initial HPSS installation. If this is not the first execution, examine the General Server Configuration File to be certain there is only one SSM-type entry and that its fields are all correct.

SSMS0103 **Unexpected entry for SSM in Server Config File: %s, %s**
(1st %s is descriptive name from the entry)
(2nd %s is CDS name from the entry)

Source Files Generating Error Message: adm/ssm_sm_adm_read_cf.c

Problem Description: An entry of type SSM which does not match the descriptive name and/or CDS name specified in the hpss_env file has been found in the General Server Configuration File. This can happen if the values in the hpss_env file are changed after the SSM entry had already been created.

System Action: The System Manager will ignore the entry. If another entry which does match the values from the hpss_env file cannot be found, the System Manager will create a new entry just as it did the first time it was executed after initial HPSS installation.

Administrator Action: Use the configuration screens to remove the extra entry. But be certain that the UUID of the remaining SSM System Manager entry is listed in the "SSM Server ID" field of each of the other servers' entries.

SSMS0104 **No entry for SSM in Server Config File; could not add default entry**

Source Files Generating Error Message: adm/ssm_sm_init.c

Problem Description: There was no entry for SSM in the General Server Config File which matched the SSM descriptive name and CDS name from the hpss_env file, and the System Manager was unable to create one.

System Action: The System Manager will be unable to initialize and will exit.

Administrator Action: Make sure Encina is running and that the General Server Configuration File specified in the hpss_env file exists and is accessible by the System Manager.

SSMS0106 **Timed out waiting on condition variable for %s**
(%s is the name of a condition variable lock)

Source Files Generating Error Message: misc/ssm_sm_cond_lock.c

Problem Description: The System Manager was not able to obtain a condition variable for access to a protected resource within a reasonable time.

System Action: The request will fail.

Administrator Action: Retry the request. It is possible another thread was using the resource and has now released it. If the error persists, recycle the System Manager.

SSMS0112 **function call %s failed**
(%s is the name of an internal or system function)

Source Files Generating Error Message: adm/ssm_sm_Adm.c, adm/ssm_sm_adm_check_one.c, adm/ssm_sm_adm_check_server_list.c, adm/ssm_sm_adm_cleanup.c, adm/ssm_sm_adm_halt_one.c, adm/ssm_sm_adm_shut_one.c, adm/ssm_sm_adm_signal.c, adm/ssm_sm_adm_start_one.c, adm/ssm_sm_init.c, client/ssm_sm_CheckOut.c, client/ssm_sm_client_fail_check.c, client/ssm_sm_client_notify_queue.c, misc/ssm_sm_doforkexec.c, notify/ssm_sm_adjust_server_list.c, storage/ssm_sm_CartImport.c, wrapper/w_mps_recon.c

Problem Description: The specified function failed.

System Action: The request will fail.

Administrator Action: Depends upon the specified function.

SSMS0113 **Entering function %s ServerID %d MOClass %d**
(%s is the name of a System Manager function)
(1st %d is a server id)
(2nd %d is a managed object type)

Source Files Generating Error Message: attr/ssm_sm_AttrGet.c, attr/ssm_sm_AttrReg.c, attr/ssm_sm_AttrSet.c, attr/ssm_sm_attr_reg.c, attr/ssm_sm_attr_set.c

Problem Description: A trace message indicating the System Manager is entering a function dealing with managed objects.

System Action: None

Administrator Action: None, informational

SSMS0114 **Drive %d devid %d devname %s drvaddr %s mvr %d host %s pvl %d pvr %d**
(Drive %d is the SSM drive list id, the index of the drive in the list)
(devid %d is the common device/drive list id shared by the Mover and PVL)
(devname %s is the Mover device name)
(drvaddr %s is the PVL drive name)
(mvr %d is the server id of the Mover)
(host %s is the Mover host)
(pvl %d is the server id of the PVL)
(pvr %d is the server id of the PVR)

Source Files Generating Error Message: adm/ssm_sm_adm_build_drive.c

Problem Description: A trace message printed as the System Manager reads the device and drive configuration files and builds the SSM drive list.

System Action: None

Administrator Action: None, informational

SSMS0117 **Entering function %s ServerID %d CFClass %d**
(%s is the name of a System Manager function)
(1st %d is a server id)
(2nd %d is a configuration file type)

Source Files Generating Error Message: config/ssm_sm_ConfigAdd.c, config/ssm_sm_ConfigDelete.c, config/ssm_sm_ConfigGetDefault.c, config/ssm_sm_ConfigRead.c, config/ssm_sm_ConfigUpdate.c

Problem Description: A trace message indicating the System Manager has entered a function to manipulate configuration files.

System Action: None

Administrator Action: None, informational

SSMS0118 **Halting all HPSS servers**

Source Files Generating Error Message: This message is not used in the current System Manager implementation.

Problem Description: This message is not used in the current System Manager implementation.

System Action: None.

Administrator Action: None.

SSMS0119 **Halt of server %s is complete**
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_halt_one.c

Problem Description: The System Manager has forcibly halted the specified server.

System Action: None

Administrator Action: None, informational

SSMS0120 **Halt of server %s failed**
(%s is a server descriptive name)

Source Files Generating Error Message: adm/ssm_sm_adm_halt_one.c

Problem Description: The System Manager was unable to halt the specified server.

System Action: None

Administrator Action: Make certain the Startup Daemon is running on the server's host. If the server will not respond to SSM's request to halt, the Startup Daemon is asked to terminate it.

SSMS0122 **Bad connection handle for server %s**
(%s is a server descriptive name)

Source Files Generating Error Message: notify/ssm_sm_LogMsgNotify.c, notify/ssm_sm_MountNotify.c, notify/ssm_sm_process_notification.c

Problem Description: Another server has rejected the HPSS connection handle used for it by the System Manager. This most usually happens if the server has gone down and then restarted.

System Action: The System Manager will attempt to get a valid connection handle.

Administrator Action: Usually none. If the problem persists, recycle the System Manager and/or the server with which it is having the problem. Check the interface version of the server to be sure the System Manager is built with the correct version.

SSMS0124 **Issuing accounting command: %s**
(%s is the accounting command line about to be exec'ed)

Source Files Generating Error Message: acct/ssm_sm_AcctRun.c

Problem Description: The System Manager is about to start an accounting run with the specified arguments.

System Action: None

Administrator Action: None, informational

SSMS0125 **Error building drive list**

Source Files Generating Error Message: adm/ssm_sm_adm_build_drive.c

Problem Description: The System Manager encountered an error while building the list of devices and drives.

System Action: The drive list, and the particular entry which generated the problem, will be marked with an appropriate flag.

Administrator Action: Examine the log for related messages offering further details about the problem. Open the Drive List window and examine each entry for problems.

SSMS0129 **Entering sm_process_notification for %s**
(%s is the name of a System Manager notification function)

Source Files Generating Error Message: notify/ssm_sm_process_notification.c

Problem Description: A trace message indicating the System Manager has received the specified notification and has entered the general processing function for notifications.

System Action: None

Administrator Action: None, informational

SSMS0130 **Failure deleting file %s or its subfiles from config file list**

Source Files Generating Error Message: config/ssm_sm_cf_list_delete.c

Problem Description: Either the System Manager was unable to delete the specified configuration file from its internal list of config file names, or it could not delete the other config files listed in the specified file. For example, if the specified config file is the Mover Config File, then either the System Manager could not delete the Mover Config File from its list, or it could not delete the Mover Device File, which is specified in the Mover Config File, from its list.

System Action: The operation will fail.

Administrator Action: Make certain SFS file names are spelled correctly in each configuration file entry, and that these SFS files exist and are accessible by the System Manager.

SSMS0134 **Checking out client %d %s; %d failures in last %d minutes %d seconds**
(client %d is the client id)
(%s is the client cds name)
(%d failures is the total number of failures)
(%d minutes %d seconds is the time since the first failure)

Source Files Generating Error Message: client/ssm_sm_client_fail_check.c

Problem Description: The specified client has been checked out automatically because the System Manager has not been able to contact it within the time specified.

System Action: The System Manager will check out the client.

Administrator Action: If the problem occurred because the Data Server has died, restart it. Otherwise, select "Check in with System Manager" from the Admin Menu of the Health and Status window.

SSMS0135 **Invalid SrvInfoUnion type %d**
(%d is a type from the SrvinfoUnion_t union)

Source Files Generating Error Message: misc/ssm_sm_srvinfo_alloc_local.c

Problem Description: The System Manager has received an invalid SrvInfoUnion union member type.

System Action: The request will fail.

Administrator Action: Contact HPSS Technical Support.

SSMS0137 **Entering function %s Server %s**
(1st %s is the name of a System Manager function)
(2nd %s is a server descriptive name)

Source Files Generating Error Message: adm / ssm_sm_adm_bind_s.c, adm / ssm_sm_adm_connect.c

Problem Description: A trace message indicating the System Manager is entering the specified function to perform a service related to the specified server.

System Action: None

Administrator Action: None, informational

SSMS0138 **Bad connection handle for client %d**
(%d is a client id)

Source Files Generating Error Message: acct / ssm_sm_AcctChange.c, acct / ssm_sm_AcctRun.c, adm / ssm_sm_Adm.c, attr / ssm_sm_AttrGet.c, attr / ssm_sm_AttrReg.c, attr / ssm_sm_AttrSet.c, client / ssm_sm_CheckIn.c, client / ssm_sm_CheckOut.c, config / ssm_sm_ConfigAdd.c, config / ssm_sm_ConfigDelete.c, config / ssm_sm_ConfigGetDefault.c, config / ssm_sm_ConfigRead.c, config / ssm_sm_ConfigUpdate.c, devices / ssm_sm_DriveDismount.c, jobs / ssm_sm_JobCancel.c, misc / ssm_sm_Delog.c, storage / ssm_sm_CartExport.c, storage / ssm_sm_CartImport.c, storage / ssm_sm_CartMove.c, storage / ssm_sm_ResourceCreate.c, storage / ssm_sm_ResourceDelete.c, storage / ssm_sm_ResourceReclaim.c, storage / ssm_sm_ResourceRepack.c

Problem Description: A System Manager client (a Data Server) has rejected the HPSS connection handle used for it by the System Manager. This most usually happens if the client has gone down and then restarted.

System Action: The System Manager will attempt to get a valid connection handle.

Administrator Action: Usually none. If the problem persists, recycle the System Manager and / or the Data Server. Check the interface version of the Data Server to be sure the System Manager is built with the correct version.

SSMS0139 **Access for operation %s denied to client %d**
(%s is an operation)
(%d is a client id)

Source Files Generating Error Message: acct / ssm_sm_AcctChange.c, acct / ssm_sm_AcctRun.c, adm / ssm_sm_Adm.c, attr / ssm_sm_AttrGet.c, attr / ssm_sm_AttrReg.c, attr / ssm_sm_AttrSet.c, client / ssm_sm_CheckIn.c, client / ssm_sm_CheckOut.c, config / ssm_sm_ConfigAdd.c, config / ssm_sm_ConfigDelete.c, config / ssm_sm_ConfigGetDefault.c, config / ssm_sm_ConfigRead.c, config / ssm_sm_ConfigUpdate.c, devices / ssm_sm_DriveDismount.c, jobs / ssm_sm_JobCancel.c, misc / ssm_sm_Delog.c, storage / ssm_sm_CartExport.c, storage / ssm_sm_CartImport.c, storage / ssm_sm_CartMove.c, storage / ssm_sm_ResourceCreate.c, storage / ssm_sm_ResourceDelete.c, storage / ssm_sm_ResourceReclaim.c, storage / ssm_sm_ResourceRepack.c

Problem Description: The specified client is not permitted to access the specified operation. In this case, "client" refers to any DCE client of the System Manager, which may be the Data Server or to another HPSS server.

System Action: The request will fail.

Administrator Action: If the operation is one which ought to be allowed for the specified client, check the ACLs on the System Manager's Security object to make sure they allow access to that client's principal.

SSMS0141 **repack message:**

Source Files Generating Error Message: storage / ssm_sm_ResourceRepack.c

Problem Description: This is the output from the repack command forked and exec'ed by the System Manager.

System Action: None

Administrator Action: Follow up appropriately if the output includes any errors from the repack command.

SSMS0142 **reclaim message:**

Source Files Generating Error Message: storage / ssm_sm_ResourceReclaim.c

Problem Description: This is the output from the reclaim command forked and exec'ed by the System Manager.

System Action: None

Administrator Action: Follow up appropriately if the output includes any errors from the reclaim command.

SSMS0143 **Import of cartridge %s unnecessary; cartridge already exists**
(%s is a cartridge name)

Source Files Generating Error Message: storage / ssm_sm_CartImport.c

Problem Description: The specified cartridge was not imported because it already had been imported.

System Action: None

Administrator Action: None, informational

SSMS0144 **Import of cartridge %s complete**
(%s is a cartridge name)

Source Files Generating Error Message: storage / ssm_sm_CartImport.c

Problem Description: The specified cartridge was imported.

System Action: None

Administrator Action: None, informational

SSMS0145 **Import of cartridge %s failed**
(%s is a cartridge name)

Source Files Generating Error Message: storage / ssm_sm_CartImport.c

Problem Description: The System Manager was unable to import the specified cartridge.

System Action: The System Manager will terminate the import operation and not process any further cartridges in the import list.

Administrator Action: Examine the log for related messages. Check the spelling of the cartridge name; make certain the PVL and PVR are up and connected to the System Manager; check the robot for errors.

SSMS0146 **Export of cartridge %s complete**
(%s is a cartridge name)

Source Files Generating Error Message: storage/ssm_sm_CartExport.c

Problem Description: The specified cartridge has been exported.

System Action: None

Administrator Action: None, informational

SSMS0147 **Export of cartridge %s failed**
(%s is a cartridge name)

Source Files Generating Error Message: storage/ssm_sm_CartExport.c

Problem Description: The System Manager was unable to export the specified cartridge.

System Action: The System Manager will not attempt to export any further cartridges in the export list.

Administrator Action: Check the log for related messages. See whether the cartridge was actually known to the PVL.

SSMS0148 **Import thread number %d processing cartridge %s**
(%d is a thread number)
(%s is a cartridge name)

Source Files Generating Error Message: storage/ssm_sm_CartImport.c

Problem Description: A trace message indicating that the specified thread is attempting to import the specified cartridge. The System Manager creates multiple threads to do imports based on the "Max Drives" field on the Import screen.

System Action: None

Administrator Action: None, informational

SSMS0149 **SSM System Manager using descriptive name %s and cds name %s**
(1st %s is System Manager descriptive name)
(2nd %s is System Manager CDS name)

Source Files Generating Error Message: adm/ssm_sm_init.c

Problem Description: The System Manager is using the descriptive name and CDS name specified. The System Manager logs this message on startup to aid in diagnosing connection problems with the Data Server.

System Action: None

Administrator Action: None necessary if the names are those expected and the Data Server can connect to the System Manager. Otherwise, modify the hpss_env file to specify the correct names.

SSMS0150 **SSM cds name for %s wrong; is %s, should be %s**
(1st %s is the descriptive name for the System Manager)
(2nd %s is the CDS name found for the System Manager)
(3rd %s is the CDS name expected for the System Manager)

Source Files Generating Error Message: adm/ssm_sm_adm_read_cf.c

Problem Description: The System Manager has found an entry for itself under the descriptive name specified in the hpss_env file, but the CDS name in that entry is not the one specified in the hpss_env file.

System Action: The System Manager will use all the information from the entry except the CDS name; it will use the CDS name from the hpss_env file (the "expected" name).

Administrator Action: Make certain the CDS name in the hpss_env file is correct. Modify the CDS name in the configuration file if necessary.

SSMS0151 **delog message:**

Source Files Generating Error Message: misc/ssm_sm_Delog.c

Problem Description: This is the output from the delog command forked and exec'ed by the System Manager. It consists of the command line with which the delog command was called.

System Action: None

Administrator Action: None, informational

SSMS0152 **SSMSM unauthorized to connect to '%s' CDS '%s'**
(1st %s is a server descriptive name)
(2nd %s is a server CDS name)

Source Files Generating Error Message: adm/ssm_sm_adm_connect.c

Problem Description: The System Manager does not have permission to connect to the specified server.

System Action: The request will fail.

Administrator Action: Make certain the ACLs on the server's Security object permit SSM access.

SSMS0154 **EXCEPTION: %s (%d) in %s ($t%d)**
(%s is the DCE error text for the exception status)
(%d is the exception status)
(%s is the API name that raised the exception)
(%d is the thread id in which the exception was raised)

Source Files Generating Error Message: misc/ssm_sm_enter_api.c

Problem Description: The System Manager has detected that an exception was raised during an API to a server.

System Action: System Manager issues an alarm and continues execution.

Administrator Action: Check to make sure that the server the System Manager was talking to is healthy.

SSMS0155 **%s called from %s (Client %d/%d) ($t%d)**
(%s is the name of the function from where the message is issued)
(%s is the name of API that was called)
(%d / %d is the id of the client calling the API)
(%d is the thread id)

Source Files Generating Error Message: misc / ssm_sm_enter_api.c
Problem Description: This is a trace message to log which APIis are called by which clients.
System Action: None
Administrator Action: None

SSMS0156 **%s called from %s (Server '%s') ($t%d)**
(%s is the name of the function from where the message is issued)
(%s is the name of API that was called)
(%s is the descriptive name of the server htat called the API)
(%d is the thread id)

Source Files Generating Error Message: misc / ssm_sm_enter_api.c
Problem Description: This is a trace message to log which APIs are called by which servers.
System Action: None
Administrator Action: None

SSMS0158 **%s called from %s (Status=%d) ($t%d)**
(%s is the name of the function from where the message is issued)
(%s is the name of API that was called)
(%d is the API return status)
(%d is the thread id)

Source Files Generating Error Message: misc / ssm_sm_enter_api.c
Problem Description: This is a trace message to log when am API is exited.
System Action: None
Administrator Action: None. Check status to see if API succeeded.

SSMS0159 **Unsolicited notification: Server %d (0x%08x 0x%08x)->(0x%08x 0x%08x)**
(%d is the internal id of the server that sent the notification)
(0x%08x 0x%08x is the registation bitmap that the server sent to the System Manager)
(0x%08x 0x%08x is the registation bitmap that the System Manager has registered i with the server)

Source Files Generating Error Message: misc / ssm_sm_api.c
Problem Description: The System Manager has received a notification from a server for which it has not registered.
System Action: The System Manager will attempt to straighten out the registration with the server.
Administrator Action: If lots of the messages appear over a short time then it may be neccessary to recycle the System Manager to clear up the registrations. If they persist then recycle the server causing the notifications.

SSMS0160 Possibly multiple use of CDS name '%s'

Source Files Generating Error Message: client/ssm_sm_CheckIn.c

Problem Description: The System Manager has detected multiple servers using the same CDS area. This can cause communications problems between servers.

System Action: Log message and continue.

Administrator Action: Check configurations for servers using the same CDS directories. Shutdown the servers, fix configurations and restart.

Chapter 27

Storage Server Error Messages (SSRV Series)

SSRV0001 **TRACE: Entering %s**

Source Files Generating Error Message: All Storage Server source files

Problem Description: Not a problem, the name of the procedure that was entered is included in the message.

System Action: None.

Administrator Action: None.

SSRV0002 **TRACE: Exiting %s**

Source Files Generating Error Message: All Storage Server source files

Problem Description: Not a problem, the name of the procedure that was exited is included in the message.

System Action: None.

Administrator Action: None.

SSRV0003 **TRACE: %s**

Source Files Generating Error Message: All Storage Server source files

Problem Description: Not a problem, the text of a general interest trace message is included in the message.

System Action: None.

Administrator Action: None.

SSRV0004 **REQUEST: Entering %s**

Source Files Generating Error Message: All Storage Server source files

Problem Description: Not a problem, the name of the procedure that has been called is included in the message.

System Action: None.

Administrator Action: None.

SSRV0005 REQUEST: Exiting %s

Source Files Generating Error Message: All Storage Server source files

Problem Description: Not a problem, the name of the procedure that has completed is included in the message.

System Action: None.

Administrator Action: None.

SSRV0006 Storage Server Initialization Compete

Source Files Generating Error Message: ss_main.c

Problem Description: This event declares that the process of initializing the Storage Server has been sucessfully completed.

System Action: None.

Administrator Action: None.

SSRV0007 Storage map state reset

Source Files Generating Error Message: ss_map.c

Problem Description: Not a problem. This event message declares that the disk storage maps have been checked and reset as required.

System Action: None.

Administrator Action: None.

SSRV0008 Storage server shutdown: %s

Source Files Generating Error Message: ss_util.c

Problem Description: Not a problem. This event message declares that the event noted in the variable part of the message has begun (in the sequence of events leading to controlled shutdown of the server).

System Action: None.

Administrator Action: None.

SSRV0009 TRACE: Data = 0x%x

Source Files Generating Error Message: All Storage Server source files

Problem Description: Not a problem. This trace message describes a piece of binary information for debugging purposes. The exact meaning of the message is dependent on the context in which it occurs.

System Action: None.

Administrator Action: None.

SSRV0010 Unused

Source Files Generating Error Message: none

Problem Description: The error message is unused in HPSS 4.1.

System Action:

Administrator Action:

SSRV0011 FATAL: hpss_InitServer failed

Source Files Generating Error Message: ss_main.c

Problem Description: Hpss_InitServer performs many initialization steps common to HPSS servers.

System Action: Server halts

Administrator Action: Check log for errors logged by hpss_InitServer. If the problem persists, contact HPSS software support.

SSRV0012 FATAL: hpss_PreRegisterService failed

Source Files Generating Error Message: ss_main.c

Problem Description: hpss_PreRegisterService is part of the connection manager initialization.

System Action: Server halts

Administrator Action: Check log for errors logged by hpss_PreRegisterService. If the problem persists, contact HPSS software support.

SSRV0013 FATAL: libpvl_preInit failed

Source Files Generating Error Message: ss_main.c

*Problem Description:*libpvl_preInit is part of the PVL interface library initialization.

System Action: Server halts

Administrator Action: Check log for errors logged by libpvl_preInit. If the problem persists, contact HPSS software support.

SSRV0014 FATAL: hsec_Init failed

Source Files Generating Error Message: ss_main.c

Problem Description: hsec_Init initializes the security library.

System Action: Server halts

Administrator Action: Check log for errors logged by hsec_Init. If the problem persists, contact HPSS software support.

SSRV0015 FATAL: hsec_InitAuthzVector failed

Source Files Generating Error Message: ss_main.c

Problem Description: hsec_InitAuthzVector initializes the authorization vector.

System Action: Server halts

Administrator Action: Check log for errors logged by hsec_InitAuthzVector. If the problem persists contact HPSS software support.

SSRV0016 FATAL: Missing storage class

Source Files Generating Error Message: ss_session.c

Problem Description: A storage class refered to by a Virtual Volume was not found in the storage class metadata.

System Action: Server halts

Administrator Action: Contact HPSS support if the problem repeats.

SSRV0017 FATAL: Error initializing: %s

Source Files Generating Error Message: ss_main.c, ss_misc.c, ss_pvl.c, ss_ssm.c, ss_vv.c, ss_map.c, ss_ss.c

Problem Description: An initialization procedure for some component has failed. The component name is given in the log message.

System Action: Server halts

Administrator Action: Check log for errors logged by the failing initialization procedure. If the problem persists, contact HPSS software support.

SSRV0018 FATAL: Cannot open file: %s

Source Files Generating Error Message: ss_io.c

Problem Description: An error occurred while opening a required file. The name of the file is given in the log message. The error code is recorded in the log message header.

System Action: Server halts

Administrator Action: Check for the presence of the named file and appropriate access rights for the DCE principal under which the Storage Server runs. Investigate the error code reported. If the problem persists, contact HPSS software support.

SSRV0019 FATAL: Cannot read general config file

Source Files Generating Error Message: ss_io.c

Problem Description: An unrecoverable error occurred while reading the general configuration file.

System Action: Server halts

Administrator Action: Investigate the error code reported and take action suggested by the code. Check for appropriate access rights for the principal under which the Storage Server runs. If the problem persists, contact HPSS software support.

SSRV0020 FATAL: Cannot read PVL config entry

Source Files Generating Error Message: ss_io.c

Problem Description: An error occurred while reading the PVL generic configuration record from the generic configuration file. The error code returned by the read procedure is recorded in the log message header.

System Action: Server halts

Administrator Action: Check for a PVL config entry in the generic configuration file. Check the UUID field of the entry against the PVL UUID field in the Storage Server's configuration information. Investigate the error code reported. If the problem persists, contact HPSS software support.

SSRV0021 FATAL: Cannot read SSM config entry

Source Files Generating Error Message: ss_io.c

Problem Description: An error occurred while reading the SSM generic configuration record from the generic configuration file. The error code returned by the read procedure is recorded in the log message header.

System Action: Server halts

Administrator Action: Check for a SSM config entry in the generic configuration file. Check the UUID field of the entry against the SSM UUID field in the Storage Server's configuration information. Investigate the error code reported. If the problem persists, contact HPSS software support.

SSRV0022 FATAL: Cannot read specific config file

Source Files Generating Error Message: ss_io.c

Problem Description: An unrecoverable error occurred while reading the specific configuration file.

System Action: Server halts

Administrator Action: Investigate the error code reported and take action suggested by the code. Check for appropriate access rights for the principal under which the Storage Server runs. If the problem persists, contact HPSS software support.

SSRV0023 FATAL: Error locking mutex

Source Files Generating Error Message: ss_util.c

Problem Description: An error was returned from the pthread_mutex_lock procedure.

System Action: Server halts

Administrator Action: The likely causes for this error are memory corruption and internal deadlock. Look for and save any core file and contact HPSS software support.

SSRV0024 FATAL: Error unlocking mutex

Source Files Generating Error Message: ss_util.c

Problem Description: An error was returned from the pthread_mutex_unlock procedure.

System Action: Server halts

Administrator Action: The likely cause for this error is memory corruption. Look for and save any core file and restart. Contact HPSS software support.

SSRV0025 FATAL: Error destroying mutex

Source Files Generating Error Message: ss_pv.c

Problem Description: An error was returned from the pthread_mutex_destroy procedure.

System Action: Server halts

Administrator Action: The likely causes for this error are memory corruption and internal deadlock. Look for and save any core file and contact HPSS software support.

SSRV0026 FATAL: Can't register service

Source Files Generating Error Message: ss_main.c

Problem Description: An error was returned by the procedure that registers the server's interface in CDS.

System Action: Server halts

Administrator Action: Check for the presence of DCE CDS servers and for the CDS directory given in the Storage Server's command line arguments. If the problem persists, contact HPSS software support.

SSRV0027 FATAL: Heap exhausted

Source Files Generating Error Message: ss_util.c

Problem Description: An error was returned while attempting to allocate memory.

System Action: Server halts

Administrator Action: Look for and save any core file. Check for sufficient memory swap space to support HPSS. Restart server. If the problem persists, contact HPSS software support.

SSRV0028 FATAL: Condition variable error

Source Files Generating Error Message: All Storage Server files.

Problem Description: An error was returned from the pthread_cond_wait, pthread_cond_signal or pthread_cond_init procedure.

System Action: Server halts

Administrator Action: The likely cause for this error is memory corruption. Look for and save any core file and restart. Contact HPSS software support.

SSRV0029 FATAL: Inconsistent PV mount list

Source Files Generating Error Message: ss_pv.c

Problem Description: A list of mounted PVs is inconsistent. It does not match a list processed previously.

System Action: Server halts

Administrator Action: Look for and save any core file and restart. Contact HPSS software support.

SSRV0030 FATAL: Invalid server type or subtype

Source Files Generating Error Message: ss_io.c

Problem Description: The server type or subtype field in the server's general configuration record is not recognizable.

System Action: Server halts

Administrator Action: Check the general configuration data using SSM or a similar tool. Ensure that the server type and subtype is a valid value for a Storage Server. Investigate what server descriptive name the failed server was started with.

SSRV0031 FATAL: Sink list inconsistent

Source Files Generating Error Message: ss_pv.c, ss_ss.c, ss_vv.c

Problem Description: The sink descriptors in an IOD or IOR are not consistent with the originating IOD.

System Action: Server halts

Administrator Action: Look for and save any core file and restart. Contact HPSS software support.

SSRV0032 FATAL: Source list inconsistent

Source Files Generating Error Message: ss_pv.c, ss_ss.c, ss_vv.c

Problem Description: The source descriptors in an IOD or IOR are not consistent with the originating IOD.

System Action: Server halts

Administrator Action: Look for and save any core file and restart. Contact HPSS software support.

SSRV0033 FATAL: Session list inconsistent

Source Files Generating Error Message: ss_pv.c

Problem Description: A PV is missing from a session list that was locked and checked earlier.

System Action: Server halts

Administrator Action: Look for and save any core file and restart. Contact HPSS software support.

SSRV0034 FATAL: Pthread create error

Source Files Generating Error Message: ss_pv.c, ss_pvl.c, ss_vv.c, ss_ss.c, ss_ssm.c

Problem Description: An error was returned from pthread_create. The error code is recorded in the log message header.

System Action: Server halts

Administrator Action: This may be an indication of insufficient memory to create a new thread, or memory corruption. Look for and save any core file and restart. Contact HPSS software support.

SSRV0035 FATAL: Pthread join error

Source Files Generating Error Message: ss_pv.c, ss_vv.c

Problem Description: An error was returned from pthread_join.

System Action: Server halts

Administrator Action: Look for and save any core file and restart. Contact HPSS software support.

SSRV0036 FATAL: Pthread detach error

Source Files Generating Error Message: ss_pv.c, ss_vv.c

Problem Description: An error was returned from pthread_detach.

System Action: Server halts

Administrator Action: Look for and save any core file and restart. Contact HPSS software support.

SSRV0037 FATAL: IOD inconsistent

Source Files Generating Error Message: ss_ss.c

Problem Description: An IOD address type field does not match a value that was checked earlier.

System Action: Server halts

Administrator Action: This may be an indication of memory corruption or a logic error. Look for and save any core file and restart. Contact HPSS software support.

SSRV0038 FATAL: Sanity check failure: %s

Source Files Generating Error Message: All Storage Server source files

Problem Description: This is a general purpose fatal error message that is issued when a logical assertion fails. The procedure that detected the error is named in the log message header. The failure is described in the message text. Any associated error code is included in the log message header.

System Action: Server halts

Administrator Action: Investigate the error suggested by the variable portion of the log message text, if possible. Look for and save any core file and restart. Contact HPSS software support.

SSRV0039 FATAL: Address type check failed

Source Files Generating Error Message: ss_ss.c, ss.vv.c

Problem Description: An IOD address type field that had been checked earlier changed.

System Action: Server halts

Administrator Action: This may be an indication of memory corruption or a logic error. Look for and save any core file and restart. Contact HPSS software support.

SSRV0040 FATAL: Pthread cond timed wait failure

Source Files Generating Error Message: ss_ss.c, ss_misc.c, ss_session.c

Problem Description: An error was returned from a call to pthread_cond_timedwait.

System Action: Server halts

Administrator Action: This may be an indication of memory corruption. The error code returned by pthread_cond_timedwait is recorded in the log message header. Look for and save any core file and restart. If the problem persists, contact HPSS software support.

SSRV0041 FATAL: Inconsistent VV IO list

Source Files Generating Error Message: ss_vv.c

Problem Description: A VV is missing from an internal list of VVs doing I/O.

System Action: Server halts

Administrator Action: Look for and save any core file and restart. Contact HPSS software support.

SSRV0042 FATAL: Section address alignment error

Source Files Generating Error Message: ss_vv.c

Problem Description: The ending relative address of a PV does not correspond to the relative address of the corresponding VV.

System Action: Server halts

Administrator Action: This error suggests corruption of the VV and/or PV metadata. Look for and save any core file and restart. Attempt to find the VV ID and PV ID of the inconsistent metadata. If the problem persists, contact HPSS software support.

SSRV0043 FATAL: Error returned by ss_PVGetAttrs

Source Files Generating Error Message: ss_vv.c

Problem Description: An error occurred while fetching PV metadata for a PV that is mounted.

System Action: Server halts

Administrator Action: Look for and save any core file and restart. Contact HPSS software support.

SSRV0044 FATAL: Cannot create binding handle copy

Source Files Generating Error Message: ss_pvl.c

Problem Description: A call to rpc_binding_copy failed while trying to bind to a server.

System Action: Server halts

Administrator Action: The name of the procedure that logged the error will suggest the server whose binding copy failed. The error returned by the library call will appear in the log message header. Look for and save any core file and restart. If the problem persists, contact HPSS software support.

SSRV0045 FATAL: Error returned by ServerListen: %s

Source Files Generating Error Message: ss_main.c

Problem Description: The server main procedure could not fork the threads that listen for client requests.

System Action: Server halts

Administrator Action: The error code returned by the library call is recorded in the log message header. Look for and save any core file and restart. If the problem persists, contact HPSS software support.

SSRV0046 FATAL: Exception caught

Source Files Generating Error Message: ss_main.c

Problem Description: A DCE exception was caught in the CATCH_ALL paragraph of the server main procedure.

System Action: Server halts

Administrator Action: Attempt to discover the exception that was caught. Examine the log for other errors that describe or suggest the problem. Look for and save any core file and restart. If the problem persists, contact HPSS software support.

SSRV0047 FATAL: %s failed

Source Files Generating Error Message: ss_misc.c ss_map.c ss_pv.c ss_vv.c ss_ss.c

Problem Description: An unrecoverable error was returned by a library function or low-level Storage Server function.

System Action: Server halts

Administrator Action: The error code returned by the failing function is recorded in the log message header. The name of the function that failed is given in the variable part of the message. The action to take depends on the specific error. Investigation of log messages preceding the failure may provide clues. If the problem persists, contact HPSS software support.

SSRV0048 Volume %s has been taken off-line

Source Files Generating Error Message: ss_pv.c (Disk Storage Server only)

Problem Description: A disk volume could not be mounted during server initialization and was taken off-line. The server will continue running, but the volume will not be available to HPSS.

System Action: Disk Storage Server initialization continues with the disk off-line.

Administrator Action: Determine the reason the disk could not be mounted from the log entries. When the problem is corrected, restart the Disk Storage Server.

SSRV0049 Volume % has been put on-line

Source Files Generating Error Message: ss.pv.c (Disk Storage Server only)

Problem Description: A disk volume that was off-line is now on-line.

System Action: none - normal operation.

Administrator Action: none - normal operation.

SSRV0050 Cannot open file: %s

Source Files Generating Error Message: ss_misc.c, ss_io.c, ss_map.c, ss_pv.c, ss_util.c, ss_vv.c

Problem Description: The Storage Server was unable to open the file named in the log message.

System Action: The error from hpss_GetOfd is returned to the caller and the function fails.

Administrator Action: Examine the log for more failure-related error messages. The file that could not be opened is named in the log message. If the problem persists, contact HPSS software support.

SSRV0051 Error in metadata: %s

Source Files Generating Error Message: ss_map.c, ss_pv.c, ss_ss.c

Problem Description: An inconsistency has been detected in the Storage Server's metadata.

System Action: HPSS_EFAULT is returned and the function fails.

Administrator Action: The variable part of this log message contains information pointing out the nature of the inconsistency. Isolate and correct the metadata failure off-line. If the problem persists, contact HPSS software support.

SSRV0053 Error setting up transaction callback

Source Files Generating Error Message: ss_misc.c, ss_map.c, ss_pv.c, ss_ss.c, ss_vv.c

Problem Description: An error was returned from a call to an Encina library function to set up a callback at the end of a transaction.

System Action: An error is returned to the client.

Administrator Action: Investigate the log for other errors that might be related to this failure. Check Encina logs for errors. Restart server if necessary. If the problem persists, contact HPSS software support.

SSRV0054 Error returned by %s

Source Files Generating Error Message: All Storage Server source files

Problem Description: This is a general purpose log message that records an error reported from a lower level procedure. The failing procedure is named in the log message. The error code returned is logged in the message header in most cases.

System Action: An error is returned to the client.

Administrator Action: The log should contain an error message from a lower level procedure that first detected an error. It should be possible to reconstruct a chain of error returns from the procedure in error through various Storage Server procedures until the error is returned to the Storage Server client. Error codes may change during this process and will be recorded in the log message headers. Action to be taken is determined by analysis of the original error.

SSRV0055 Could not connect to PVL

Source Files Generating Error Message: ss_pvl.c

Problem Description: The PVL connection manager was not able to establish a connection to the PVL.

System Action: The server waits indefinitely for the problem to be corrected.

Administrator Action: Examine the log for other errors that explain the problem. The PVL may be down or disabled. Restart the system if necessary. If the problem persists, contact HPSS software support.

SSRV0056 Could not find PVL interface

Source Files Generating Error Message: ss_pvl.c

Problem Description: The PVL connection manager was not able to locate the PVL interface in CDS.

System Action: The server waits indefinitely for the problem to be corrected.

Administrator Action: Examine the log for other errors that explain the problem. The PVL may be down or disabled. Restart the system if necessary. If the problem persists, contact HPSS software support.

SSRV0057 Could not connect to SSM

Source Files Generating Error Message: ss_ssm.c

Problem Description: The SSM connection manager was not able to establish a connection to SSM. This error is non-fatal to the Storage Server and its clients. SSM fails to receive one or more messages generated by Storage Server events.

System Action: The message that was to be sent to SSM is lost and the server continues. No error is returned to the client as a result of this failure.

Administrator Action: Examine the log for other errors that explain the problem. The SSM may be down or disabled. Restart the system if conditions warrant. If the problem persists, contact HPSS software support.

SSRV0058 Could not find SSM interface

Source Files Generating Error Message: ss_ssm.c

Problem Description: The SSM connection manager was not able to find the SSM interface in CDS. This error is non-fatal to the Storage Server and its clients. SSM fails to receive one or more messages generated by Storage Server events.

System Action: The message that was to be sent to SSM is lost and the server continues. No error is returned to the client as a result of this failure.

Administrator Action: Examine the log for other errors that explain the problem. The SSM may be down or disabled. Restart the system if conditions warrant. If the problem persists, contact HPSS software support.

SSRV0059 Error reading map metadata

Source Files Generating Error Message: ss_ss.c, ss_map.c, ss_io.c

Problem Description: An error was returned from a library procedure that reads data from the storage map metadata file.

System Action: HPSS_EMMREAD is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the map metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0060 Error reading segment metadata

Source Files Generating Error Message: ss_ss.c, ss_io.c, ss_map.c

Problem Description: An error was returned from a library procedure that reads data from the storage segment metadata file.

System Action: HPSS_EMMREAD is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the segment metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0061 Error reading VV metadata

Source Files Generating Error Message: ss_io.c, ss_vv.c

Problem Description: An error was returned from a library procedure that reads data from the virtual volume metadata file.

System Action: HPSS_EMMREAD is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the VV metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0062 Error reading PV metadata

Source Files Generating Error Message: ss_pv.c, ss_ov.c, ss_vv.c

Problem Description: An error was returned from a library procedure that reads data from the physical volume metadata file.

System Action: HPSS_EMMREAD is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the PV metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0063 Error reading config metadata

Source Files Generating Error Message: ss_misc.c, ss_vv.c, ss_io.c, ss_util.c

Problem Description: An error was returned from a library procedure that reads data from the specific configuration metadata file.

System Action: HPSS_EMMREAD is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the specific configuration file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0064 Error writing map metadata

Source Files Generating Error Message: ss_map.c, ss_io.c

Problem Description: An error was returned from a library procedure that writes data to the storage map metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the map metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0065 Error writing segment metadata

Source Files Generating Error Message: ss_ss.c, ss_io.c

Problem Description: An error was returned from a library procedure that writes data to the storage segment metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the segment metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0066 Error writing VV metadata

Source Files Generating Error Message: ss_vv.c, ss_io.c

Problem Description: An error was returned from a library procedure that writes data to the virtual volume metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the VV metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0067 Error writing PV metadata

Source Files Generating Error Message: ss_io.c

Problem Description: An error was returned from a library procedure that writes data to the physical volume metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the PV metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0068 Error writing config metadata

Source Files Generating Error Message: ss_misc.c

Problem Description: An error was returned from a library procedure that writes data to the specific configuration metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the configuration metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0069 Error creating map metadata record

Source Files Generating Error Message: ss_io.c

Problem Description: An error was returned from a library procedure that creates records in the specific configuration metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the map metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0070 Error creating segment metadata record

Source Files Generating Error Message: ss_io.c

Problem Description: An error was returned from a library procedure that creates records in the storage segment metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the segment metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0071 Error creating VV metadata record

Source Files Generating Error Message: ss_io.c

Problem Description: An error was returned from a library procedure that creates records in the virtual volume metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the VV metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0072 Error creating PV metadata record

Source Files Generating Error Message: ss_io.c

Problem Description: An error was returned from a library procedure that creates records in the physical volume metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the PV metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0073 Error deleting map metadata record

Source Files Generating Error Message: ss_map.c, ss_io.c

Problem Description: An error was returned from a library procedure that deletes records from the storage map metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the map metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0074 Error deleting segment metadata record

Source Files Generating Error Message: ss_ss.c, ss_map.c, ss_io.c

Problem Description: An error was returned from a library procedure that deletes records from the storage segment metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the segment metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0075 Error deleting VV metadata record

Source Files Generating Error Message: ss_vv.c, ss_io.c

Problem Description: An error was returned from a library procedure that deletes records from the virtual volume metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the VV metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0076 Error deleting PV metadata record

Source Files Generating Error Message: ss_pv.c, ss_io.c

Problem Description: An error was returned from a library procedure that deletes records from the physical volume metadata file.

System Action: HPSS_EMMWRITE or HPSS_EMMUPDATE is returned to the client.

Administrator Action: Examine the log for more error messages related to the failure. The error code returned by the library procedure is included in the log message header. Check for the presence of the PV metadata file and appropriate access permissions. Check for proper operation of the SFS server. If the problem persists, contact HPSS software support.

SSRV0077 Segment/session conflict

Source Files Generating Error Message: ss_pv.c

Problem Description: A storage segment needed in a function is reserved by another session.

System Action: HPSS_ECONFLICT is returned to the client.

Administrator Action: None - this is a server debugging message

SSRV0078 Session/session conflict

Source Files Generating Error Message: ss_session.c
Problem Description: A session needed by a function is busy in a different function.
System Action: HPSS_ECONFLICT is returned to the client.
Administrator Action: None — this is a server debugging message

SSRV0079 Error creating thread

Source Files Generating Error Message: ss_main.c, ss_pv.c, ss_ssm.c
Problem Description: An error was returned by pthread_create.
System Action: HPSS_ESYSTEM is returned in some cases.
Administrator Action: None — this is a server debugging message

SSRV0080 Error entering connection

Source Files Generating Error Message: All Storage Server source files
Problem Description: An error was returned by hpss_EnterConnection.
System Action: HPSS_EBADCONN is returned to the client.
Administrator Action: If the problem persists, investigate the failing clients. Invalid connection handles are being sent to the server.

SSRV0081 No match trying to delete owner

Source Files Generating Error Message: ss_ss.c
Problem Description: An owner field supplied by a client failed to match a field in a resource owner structure.
System Action: HPSS_EINVAL is returned to the client.
Administrator Action: None — this is a server debugging message

SSRV0082 Reference count error

Source Files Generating Error Message: ss_pv.c
Problem Description: The reference count of a resource is not zero while attempting to delete the resource.
System Action: An error is returned to the client.
Administrator Action: None — this is a server debugging message

SSRV0083 Invalid argument: %s

Source Files Generating Error Message: All Storage Server source files
Problem Description: This is a general purpose debugging message that records an invalid argument. The procedure that detected the error is recorded in the log message header. The name of the invalid argument and other information is given in the log message text.
System Action: An error, usually HPSS_EINVAL, is returned to the client.
Administrator Action: None — this is a server debugging message

SSRV0084 Duplicate entry error detected during create

Source Files Generating Error Message: ss_io.c

Problem Description: This is a general purpose debugging message used when a metadata manager procedure reports a duplicate entry error during a record creation step.

System Action: HPSS_EEXIST is returned to the client.

Administrator Action: This error suggests that the client may be repeating create functions or otherwise confused.

SSRV0085 Entry not found—no such key

Source Files Generating Error Message: ss_map.c, ss_pv.c, ss_ss.c, ss_vv.c, ss_io.c

Problem Description: This is a general purpose debugging message used when a metadata manager procedure is unable to locate a record with a given key during a read operation.

System Action: An error, usually HPSS_ENOENT, is returned to the client.

Administrator Action: None — this is a server debugging message

SSRV0086 Invalid address type

Source Files Generating Error Message: ss_util.c, ss_pv.c, ss_ss.c, ss_vv.c

Problem Description: An invalid address type was detected during the initial parsing of an IOD.

System Action: HPSS_EINVAL is returned to the client.

Administrator Action: The client has attempted an I/O operation using an invalid IOD. Check for more log messages associated with this error if necessary.

SSRV0087 Invalid stripe parameters

Source Files Generating Error Message: ss_util.c, ss_pv.c, ss_ss.c, ss_vv.c

Problem Description: An invalid address stripe parameter was detected during the initial parsing of an IOD.

System Action: HPSS_EINVAL is returned to the client.

Administrator Action: The client has attempted an I/O operation using an invalid IOD. Check for more log messages associated with this error if necessary.

SSRV0088 RPC failed

Source Files Generating Error Message: ss_pvl.c, ss_ssm.c

Problem Description: An error was returned in the rpc status field of an rpc to another server, usually a PVL.

System Action: In the case of a PVL, the PVL binding is discarded and a new connection is created to the PVL. The server waits indefinitely for the new PVL connection. In the case of SSM, the SSM binding is discarded and messages to SSM are lost until the connection is re-established.

Administrator Action: If the problem repeats, check the status of the PVL. This log message can be expected when the PVL is taken down and brought back up, but should not persist. If the problem persists, contact HPSS software support.

SSRV0089 Segment state changed blocked

Source Files Generating Error Message: ss_ss.c

Problem Description: An attempt to change a storage segment state to allocated was blocked by the state of the associated storage map.

System Action: HPSS_EBUSY is returned to the client.

Administrator Action: None — this is a server debugging message

SSRV0090 Segment not extendable

Source Files Generating Error Message: ss_ss.c

Problem Description: An attempt to change a storage segment state to allocated failed.

System Action: HPSS_EINVAL is returned to the client.

Administrator Action: None — this is a server debugging message

SSRV0091 Segment state not changeable

Source Files Generating Error Message: ss_ss.c

Problem Description: An attempt to change a storage segment state to allocated failed.

System Action: HPSS_EINVAL is returned to the client.

Administrator Action: None — this is a server debugging message

SSRV0092 VV elements inconsistent: %s

Source Files Generating Error Message: ss_vv.c

Problem Description: The physical volumes that are to make up a virtual volume are not consistent with each other.

System Action: HPSS_EINVAL is returned to the client.

Administrator Action: If the problem persists, look for the reason the client is specifying inconsistent sets of physical volumes in VV create functions.

SSRV0093 Error initializing: %s

Source Files Generating Error Message: ss_pv.c, ss_session.c, ss_map.c, ss_ss.c, ss_vv.c

Problem Description: This is a general purpose log message that records non-fatal errors returned by various initialization procedures. The object that failed to initialize is noted in the log message text.

System Action: An error is returned to the client.

Administrator Action: If the problem persists, it may indicate incipient failure of the Storage Server.

SSRV0094 Error creating SOID or UUID

Source Files Generating Error Message: ss_session.c, ss_ss.c, ss_vv.c

Problem Description: An error occurred in a library procedure that creates a SOID or UUID.

System Action: HPSS_EFAULT is returned to the client.

Administrator Action: This is an unexpected but recoverable error. Check the log for other indications of problems. If the problem persists, contact HPSS software support.

SSRV0095 No space remaining, storage class %d

Source Files Generating Error Message: ss_ss.c

Problem Description: An attempt to create a storage segment has failed due to lack of free storage space. This error is also reported if a storage segment owner field is full and an additional owner cannot be added. The associated storage class is given in the message.

System Action: HPSS_ENOSPACE is returned to the client.

Administrator Action: Make free space available to the system.

SSRV0096 Resource in use

Source Files Generating Error Message: ss_map.c, ss_vv.c, ss_pv.c

Problem Description: An attempt was made to delete a virtual volume that was mounted.

System Action: HPSS_EINUSE is returned to the client.

Administrator Action: None — this is a server debugging message

SSRV0097 Volume is mounted

Source Files Generating Error Message: ss_vv.c, ss_map.c

Problem Description: An attempt was made to change the state of a virtual volume to “scratch” while it was mounted.

System Action: HPSS_EINUSE is returned to the client.

Administrator Action: None — this is a server debugging message

SSRV0098 Volume not mounted

Source Files Generating Error Message: ss_pv.c, ss_vv.c

Problem Description: An attempt was made to perform I/O on a virtual volume that is not mounted.

System Action: HPSS_ENOMOUNT or HPSS_EPERM is returned to the client.

Administrator Action: Check the log for corresponding messages from the storage segment layer. If the request comes from the storage segment layer, it has made an error which should be reported. If the request comes directly from a client, it is a client error.

SSRV0099 Positioning error: %s

Source Files Generating Error Message: ss_pv.c, ss_vv.c

Problem Description: An error was detected while trying to position a virtual or physical volume.

System Action: An error is returned to the client.

Administrator Action: Check the log for similar and related errors. This may be an indication of a more serious problem.

SSRV0100 Media addressing error: %s

Source Files Generating Error Message: ss_pv.c, ss_vv.c

Problem Description: This is a general purpose log message that reports an error in a volume address.

System Action: An error is returned to the client.

Administrator Action: The log message text contains additional information about the error. Check the log for similar and related errors.

SSRV0101 Volume state incorrect for function

Source Files Generating Error Message: ss_pv.c, ss_map.c

Problem Description: The operational state of a physical volume is not appropriate for the attempted function. For example, an attempt has been made to read a scratched volume.

System Action: An error is returned to the client.

Administrator Action: None — this is a server debugging message

SSRV0102 Could not get host name

Source Files Generating Error Message: ss_pv.c

Problem Description: An error was detected while trying to get the host name prior to connecting to a Mover.

System Action: An error is returned to the client.

Administrator Action: Check the log for related failures. Check the operating system configuration information that supports "gethostbyname." Restart the server if necessary. If this problem persists, contact HPSS software support.

SSRV0103 Resource not available

Source Files Generating Error Message: ss_pv.c, ss_ss.c, ss_vv.c

Problem Description: The requested resource has been made administratively unavailable.

System Action: An error is returned to the client.

Administrator Action: If you want to make the resource available again, change the Admin State of the resource to ST_UNLOCKED.

SSRV0104 Transaction aborted, %s

Source Files Generating Error Message: ss_ss.c, ss_map.c, ss_misc.c, ss_pv.c, ss_vv.c

Problem Description: A transaction aborted in a function that does not return an error. The abort reason is given in the message.

System Action: Depends on circumstance.

Administrator Action: None. This is a debug message. The log message is delivered to the log because the function in which the transaction took place does not return an error to any caller. The purpose of the message is to prevent the error from going unreported. If the error repeats, contact HPSS software support.

SSRV0105 Error in IOD/IOR: %s

Source Files Generating Error Message: ss_pv.c, ss_ss.c

Problem Description: An IOD returned by the Mover is badly formatted or contains some other unexpected error. Additional information about the nature of the error is included in the variable part of the message.

System Action: An error is returned for the I/O operation.

Administrator Action: Check the log for related errors from the Mover. If the problem persists, contact HPSS software support.

SSRV0106 Too many segments in IOD

Source Files Generating Error Message: ss_ss.c

Problem Description: A write IOD submitted to the ss_SSWrite refers to more than one storage segment. Only one segment may be written in each call to ss_SSWrite.

System Action: An error is returned for the I/O operation. The first write operation specified in the IOD may have completed normally (depends on action taken by Storage Server client).

Administrator Action: This error indicates an error in the logic of the Storage Server client.

SSRV0107 Cannot close file: %s

Source Files Generating Error Message: ss_io.c

Problem Description: An error occurred while freeing an SFS Open File Descriptor (OFD).

System Action: The OFD is discarded. This is an internal error that will not affect the outcome of a client request.

Administrator Action: This error indicates probable memory corruption. If the problem persists, contact HPSS software support.

SSRV0108 Could not find entry in cache

Source Files Generating Error Message: ss_map.c, ss_pv.c, ss_ss.c, ss_vv.c

Problem Description: An object that was expected to be found in the memory cache was not found.

System Action: Server action varies. In some cases this problem is recovered.

Administrator Action: Depends on the situation. In some cases this error is expected by the server and recovered. In other cases an examination of the log may reveal associated problems.

SSRV0109 Error initializing storage map

Source Files Generating Error Message: ss_map.c

Problem Description: The Disk Storage Server was not able to construct a disk storage bit map.

System Action: The disk storage map create operation fails.

Administrator Action: If this error appears, a logic error probably exists in the system. Obtain a log if possible and contact HPSS software support.

SSRV0110 Error creating/connecting socket

Source Files Generating Error Message: ss_pv.c, ss_ss, c

Problem Description: An error was returned from a socket create or connect system call.

System Action: The calling function fails and an error is returned.

Administrator Action: The error code field of the log entry contains the value of "errno" returned by the system. The action to take depends on the error returned.

SSRV0111 Object is already owned

Source Files Generating Error Message: ss_pv.c

Problem Description: A request was made to assign a physical volume to a virtual volume. The PV is already assigned to another VV.

System Action: An error is returned to the client.

Administrator Action: An examination of the log may reveal the cause. It may be necessary to perform an audit of the PVs to discover the underlying problem.

SSRV0112 Too many owners

Source Files Generating Error Message: ss_ss.c

Problem Description: The owner field of a storage segment is full and a request was made to add an owner.

System Action: An error is returned to the client.

Administrator Action: Examine the log to learn where the request came from and which

SSRV0113 Length error

Source Files Generating Error Message: ss_ss.c

Problem Description: A segment copy or move ended in error because the number of bytes moved or copied was not correct.

System Action: An error is returned to the client.

Administrator Action: An investigation of the log may yield more information about the error. If the error persists, contact HPSS software support.

SSRV0114 Field would have underflowed: %s

Source Files Generating Error Message: ss_map.c

Problem Description: While decrementing a statistic field for a tape storage map, an underflow condition was noted.

System Action: The statistics field is set to zero.

Administrator Action: The variable part of the message indicates the field that would have underflowed. Check the log, if possible, for indications of related errors. It may be necessary to audit the tape storage maps to restore the statistics. See the documentation for the utility program "settapestats".

SSRV0115 IOR replies not consistent

Source Files Generating Error Message: ss_ss.c, ss_pv.c

Problem Description: An inconsistency was noted while processing an IOR from the lower level of the server, or from a Mover.

System Action: An error is returned in the IOR being built.

Administrator Action: Check the log for indications of related errors from lower levels of the Storage Server or from the Mover.

SSRV0116 Time out error: %s

Source Files Generating Error Message: ss_io.c, ss_map.c, ss_misc.c, ss_pv.c, ss_vv.c

Problem Description: The event noted in the variable part of the log message timed out.

System Action: Depends on the event, but usually an error is returned to the client.

Administrator Action: Investigate the operation of that part of the system given in the variable part of the message.

SSRV0117 Invalid OFD error

Source Files Generating Error Message: ss_io.c, ss_pv.c

Problem Description: An SFS Open File Descriptor was discovered to be invalid.

System Action: The server usually recovers by opening a new OFD.

Administrator Action: None required unless the error repeats frequently.

SSRV0118 I/O Error: %s

Source Files Generating Error Message: None

Problem Description: This error is not used.

System Action: None

Administrator Action: None.

SSRV0119 Object attribute change not supported

Source Files Generating Error Message: ss_map.c, ss_pv.c, ss_ss.c, ss_util.c, ss_vv.c

Problem Description: An attempt was made to change an object attribute. The server does not support changing the requested attribute.

System Action: An error is returned to the client.

Administrator Action: None unless the error persists. Check the log to learn the object that the change refers to and where the request came from.

SSRV0120 Could not mount volume: %s

Source Files Generating Error Message: ss_map.c, ss_ss.c, ss_vv.c, ss_pv.c

Problem Description: An error occured while trying to mount the volume named in the message.

System Action: An error is returned for the function requesting the mount operation.

Administrator Action: Check the log for additional information from the PVL and/or PVR to determine the cause of the error.

SSRV0121 Inconsistent state: %s

Source Files Generating Error Message: ss_session.c, ss_ss.c, ss_vv.c, ss_pv.c

Problem Description: This is a general purpose error message that describes an inconsistency in the server's internal data structures. The error is not fatal.

System Action: Varies with the error.

Administrator Action: The log message contains the name on the function that had the error, the error code, and the request ID. Using this information, check the log for any additional entries that may help to explain the problem.

SSRV0122 Error reading storage class metadata record

Source Files Generating Error Message: ss_util.c

Problem Description: An unrecoverable error occured while trying to read a record from the storage class metadata file.

System Action: Server halts

Administrator Action: Examine the log for any additional messages related to this error. The error code from the library procedure is included in the log entry. Check SFS for the presence of the storage class metadata file, and for correct access permissions. If the problem persists, contact HPSS support.

SSRV0123 TX_CLOSE failed

Source Files Generating Error Message: ss_util.c

Problem Description: The TX interface returned an error while the server was trying to close the interface during a server shutdown procedure.

System Action: The server logs the error code returned by TX_CLOSE, then retries the close up to 5 times. If the error persists, the server continues with the shutdown operation.

Administrator Action: Examine the log for the error code returned by TX_CLOSE. The most frequent cause of this error is one or more unresolved transactions active in the server when the server attempts to shutdown. The server retries the TX_CLOSE over a period of a few seconds to give the transactions time to resolve. If the error is caused by some other error returned by TX, a ring buffer dump will be produced by the server as an aid in determining the cause of the error. Look for the dump in directory in which the server runs. If the problem persists, contact HPSS support.

SSRV0124 SFS Communication error

Source Files Generating Error Message: ss_io.c

Problem Description: MMLIB returned MM_COMMUNICATION_ERROR indicating that the SFS I/O operation failed because of an error communicating with SFS.

System Action: The server retries the I/O operation a small fixed number of times.

Administrator Action: Examine the log for additional information related to the error. If the error repeats, check SFS operational state with a tool such as SFSADMIN. If the error does not repeat, it was recovered by the server.

SSRV0125 Sanity check failure: %s

Source Files Generating Error Message: ss_ss.c, ss_pv.c

Problem Description: An internal non-fatal assertion failed.

System Action: The server returns an error on the operation that failed.

Administrator Action: The text of the error message contains a description of the assertion that failed. Check the log for related information just before and just after the error. If the problem persists, contact HPSS support.

SSRV0126 PVL dismount failed on %s

Source Files Generating Error Message: ss_pvl.c

Problem Description: The PVL returned an error from a pvl_DismountVolume job.

System Action: The server logs the error and continues. Dismount errors can't be recovered.

Administrator Action: Check the log for additional details. Check SSM PVL displays for tape dismount errors, and for information about the tape, or job, listed in the message. If the problem persists, contact HPSS support.

SSRV0127 Can't switch VVs when mounted in distributed mount

Source Files Generating Error Message: ss_ss.c

Problem Description: A storage segment read, that requires a distributed tape mount, is trying to switch to a different set of tapes.

System Action: The server logs the error and returns HPSS_ENOTPERMITTED for the ss_SSRead.

Administrator Action: Probable error in the Storage Server's client. If the problem persists, contact HPSS support.

SSRV0128 VV in wrong state to dismount

Source Files Generating Error Message: ss_ss.c

Problem Description: A storage segment read, that requires a distributed tape mount, is trying to dismount tapes, but found one in an incorrect state.

System Action: The server logs the error and returns HPSS_ECONFLICT for the I/O operation.

Administrator Action: Probable error in the Storage Server's client. If the problem persists, contact HPSS support.

SSRV0129 Received signal: %d

Source Files Generating Error Message: ss_main.c

Problem Description: The server caught one of several signals it is enabled to catch.

System Action: The server posts an event log message to the system log containing the signal number. If the signal is SIGTERM or SIGQUIT, the server shuts down through its normal shutdown sequence. If the signal is SIGDANGER or SIGHUP, the signal is ignored.

Administrator Action: SIGDANGER and SIGHUP are caught, logged and dismissed by the server as a diagnostic aid. SIGDANGER is broadcast to processes by the operating system when the system is running short of processing resources and may have to terminate processes. SIGHUP is not expected in the context inwhich storage servers run, but is logged as a diagnostic aid.

Chapter 28

Startup Daemon Error Messages (SUDD Series)

SUDD0015 Server is already running

Source Files Generating Error Message: hpssd_StartServer.c

Problem Description: The startup daemon has tried to start a server that is already running.

System Action: The server will not start.

Administrator Action: This message will appear if you tried to start a server that is already running. If you need to restart an errant server, you must kill it first. It make take some time for the server to die, in which case you will not be able to start a new server until the old one goes away. If after waiting, you still cannot kill an old server and start a new one, log into the host where the server is running and kill it using the KILL command. If all else fails, restart the Startup Daemon.

SUDD0016 Startup Daemon isn't monitoring this server

Source Files Generating Error Message: hpssd_KillServer.c

Problem Description: The SSM has tried to kill a server that the Startup Daemon hpssd doesn't think is running. This probably indicates that the server indeed is not running. However, it could also mean that the Startup Daemon has lost track of it, or that the Startup Daemon has been restarted.

System Action: The server will not be killed, and it will not be possible to kill it without logging into the remote host.

Administrator Action: If the server isn't running, there is nothing that needs to be done. If the server is running, log into the remote host and kill the server manually before trying to restart it.

SUDD0017 Startup Daemon's server table is full

Source Files Generating Error Message: hpssd_StartServer.c

Problem Description: The Startup Daemon has run out of table space to keep track of the servers it has started. The Startup Daemon can only handle 100 servers on any one host.

System Action: The SSM will not be able to start any more servers.

Administrator Action: Make sure that the SSM isn't trying to start more servers than it is supposed to. A different server is one that has a different ServerID. Try to move some of the servers to different hosts. If 100 servers are still not enough, change HPSSD_MAX_SERVERS in hpssd.h and recompile the Startup Daemon.

SUDD0018 Cannot start server; setuid or getuid failed

Source Files Generating Error Message: hpssd_StartServer.c

Problem Description: The Startup Daemon could not execute the setuid or getuid function.

System Action: The Startup Daemon cannot change its UNIX UID to the requested valued. As a result, it will not be able to run the server.

Administrator Action: Make sure that the Startup Daemon is running as root.

SUDD0019 Cannot start server; no such UNIX user <name>

Source Files Generating Error Message: hpssd_StartServer.c

Problem Description: The Startup Daemon tried to start the HPSS server using the UNIX user name NAME, but could not find that user in /etc/passwd.

System Action: The server will not be started.

Administrator Action: Check that the UNIX user name field in the configuration file for this server contains the correct value. Also check /etc/passwd on the machine where the HPSS server is to be run to verify that the UNIX user name exists.

SUDD0020 Server <server> died on host <host>, pid=<pid>, status= <status>

Source Files Generating Error Message: hpssd_Main.c

Problem Description: One of the HPSS servers has died. The server's descriptive name is given by <server>; the host it was running on is given by <host>; the process ID is given by <pid>; and the exit status for the process is given by <status>.

System Action: This message appears when an HPSS server dies.

Administrator Action: This message will occur as part of a normal shutdown, in which case the message can be ignored. If the server shut itself down gracefully, look for other messages in the log file to see what caused the shutdown. On the other hand, if the server crashed, this may be the only message in the log file. The exit status may give a clue as to what caused the crash.D

SUDD0021 Startup Daemon internal problem: sigwait = <value>

Source Files Generating Error Message: hpssd_Main.c

Problem Description: The Startup Daemon tried to handle an unexpected signal, which should actually never happen. This error probably indicates a coding error.

System Action: None.

Administrator Action: None.

SUDD0022 Unexpected server died, pid=<pid>

Source Files Generating Error Message: hpssd_Main.c

Problem Description: An unexpected server died. This probably indicates that several copies of a particular server have been started, and that one of the older servers has died.

System Action: None.

Administrator Action: None.

SUDD0023 Exec() failed. Status = <status>

Source Files Generating Error Message: hpssd_StartServer.c

Problem Description: The Startup Daemon tried to start a server, but the exec system call failed.

System Action: The server will not be started.

Administrator Action: Check that the executable exists. Check that the entire directory path to the executable is accessible to the uid and/or gid that the server will be using. For more information, check the value of <status> against the errno values that the exec system call returns.

SUDD0024 Starting server <server> on host <host>

Source Files Generating Error Message: hpssd_StartServer.c

Problem Description: This message is informational and will occur every time a server is started. It does not indicate an error.

System Action: The server is started.

Administrator Action: None.

SUDD0025 Cannot start server; cannot find executable named <execname>

Source Files Generating Error Message: hpssd_StartServer.c

Problem Description: The Startup Daemon tried to determine the access mode for the executable, but failed because the stat system call failed.

System Action: The server will not be started.

Administrator Action: Check that the executable exists. Check that the Startup Daemon is running as root. For more information, check the value of the status field in the log message against the errno values that the stat system call returns.

SUDD0026 Cannot start server; access check failed for executable named <execname>

Source Files Generating Error Message: hpssd_StartServer.c

Problem Description: The Startup Daemon determined that the server will not be able to run because the mode bits are set incorrectly.

System Action: The server will not be started.

Administrator Action: Check that the executable has execute permission set for the uid and/or gid that the server will be using.

SUDD0027 Problem locking or unlocking mutex

Source Files Generating Error Message: hpssd_StartServer.c

Problem Description: Could not lock or unlock a mutex. This should not normally happen.

System Action: The server will not be started.

Administrator Action: Try to start the server again. The problem may be temporary. If the problem persists, check the value of the status field in the log message against the errno values returned by the pthread_mutex_lock or pthread_mutex_unlock calls. You may need to restart the Startup Daemon.

SUDD0028 Fork failed

Source Files Generating Error Message: hpssd_StartServer.c

Problem Description: The fork system call failed. This should not normally happen.

System Action: The server will not be started.

Administrator Action: Check the value of the status field in the log message against the errno values returned by the fork system call. You may need to restart the Startup Daemon.

SUDD0029 Startup Daemon is up and running

Source Files Generating Error Message: hpssd_Main.c

Problem Description: This message is informational and will occur every time the Startup Daemon is restarted. It does not indicate an error.

System Action: The Startup Daemon is available to start servers.

Administrator Action: None.

SUDD0030 There are <n> copies of server <servername> running already

Source Files Generating Error Message: hpss_MarkServerRunning.c

Problem Description: A server has detected that it is already running. The message lists how many copies of the server are running, and the server's Descriptive Name.

System Action: The server will come up, but it may not work properly.

Administrator Action: If in doubt, try to kill the existing server by using the SSM. This will probably fail. In that case, log into the machine where the server is running and use the kill command to kill any extra servers that should not be running.

SUDD0031 Too many servers, not enough locks

Source Files Generating Error Message: hpss_MarkServerRunning.c

Problem Description: This message is quite unlikely. It indicates that there are 30 or more copies of the same server running. This probably happens only if the operator repeatedly forces a server to start without having taken down the old server. It might also indicate an attempt was made to use the same Descriptive Name to describe different servers.

System Action: Redundant servers will waste resources, and will probably interfere with each other.

Administrator Action: Kill the extra servers before starting new ones.

SUDD0032 Format error in lockfile

Source Files Generating Error Message: hpssd_GetServerFromLockfile.c

Problem Description: There is a lock file that the startup daemon uses to determine whether an HPSS server is already running. The name of the file looks like /tmp/hpssd.NNNN.DESCNAME, where NNNN is a sequence of hex digits, and DESCNAME is the server's descriptive name with blanks replaced by underscores. The startup daemon has determined that the file exists but doesn't contain the proper information.

System Action: It will not be possible to start or kill servers gracefully while the corrupt file is in place.

Administrator Action: Inspect the file. The file should contain information that looks like this:

```
DescName: R3 SSM System Manager
LockNum:  0
PID:      15771
```

Be sure that the descriptive name written in the file agrees with the file name. On very rare occasions, two servers that have different descriptive names might use the same lock file. If that happens, change the name of one of the servers. Otherwise, delete the file.

SUDD0033 Cannot open lockfile: <reason>

Source Files Generating Error Message: hpssd_GetServerFromLockfile.c

Problem Description: The lock file cannot be opened for the reason provided in the message.

System Action: It will not be possible to start servers

Administrator Action: Inspect the reason and determine what needs to be done. It may be that more disk space is needed in /tmp or that the ownership of an existing lock file needs to be changed.

SUDD0034 There are <n> copies of server running; only one will be killed

Source Files Generating Error Message: hpssd_KillServer.c

Problem Description: The startup daemon has been told to shutdown a server but has found that there are several copies of the server running.

System Action: The last server to be started will be stopped. The others will continue to run.

Administrator Action: Once more than one copy of a server is running, you will not be able to kill the others using the SSM. The only way to kill them is to log into the machine where the server is running and use the kill command.

SUDD0035 Sending kill <signum> to server <servername> on host <hostname>

Source Files Generating Error Message: hpssd_KillServer.c

Problem Description: This is not a problem. The message appears whenever the startup daemon is trying to send a signal to a server. Typically this means the daemon is trying to kill the server.

System Action: The server will respond to the signal in the appropriate way. In most cases, the server will shut down.

Administrator Action: None.

SUDD0036 Descriptive name in lock file does not match file's name

Source Files Generating Error Message: hpssd_GetServerFromLockfile.c

Problem Description: There is a lock file that the startup daemon uses to determine whether an HPSS server is already running. The name of the file is taken from the descriptive name, and looks like /tmp/hpssd.NNNN.DESCNAME, where NNNN is a sequence of hex digits, and DESCNAME is the server's descriptive name with blanks replaced by underscores. The startup daemon has determined that the file's name is inconsistent with the name stored in the file.

System Action: It will not be possible to start or kill servers gracefully while the corrupt file is in place.

Administrator Action: Refer to SUDD0032. You may have to rename a server or delete the lock file.

A

ACCT0001System call %s failed 1-1
ACCT0002Accounting starting up 1-1
ACCT0003Accounting exiting normally 1-1
ACCT0004Accounting exiting with an error 1-1
ACCT0005Unknown startup option 1-1
ACCT0006Missing account configuration name 1-2
ACCT0007 Missing general configuration name 1-2
ACCT0008 Can't open report file for writing 1-2
ACCT0009 Starting accounting run 1-2
ACCT0010 Accounting run successfully completed 1-2
ACCT0011 Scan for accounting info failed 1-2
ACCT0012 Report generation failed 1-2
ACCT0013 Not enough memory to allocate array 1-3
ACCT0014 Not enough memory to reallocate array 1-3
ACCT0015 Can't initialize ofd's 1-3
ACCT0016 Checkpoint path name is missing 1-3
ACCT0017 Report file path name is missing 1-3
ACCT0018 Can't open comment file for reading 1-3
ACCT0019 Resumed previous accounting run 1-4
ACCT0020 Can't record run status 1-4
ACCT0021 Accounting run completed successfully 1-4
ACCT0022 Can't open bf descriptor ofd 1-4
ACCT0023 Can't read bitfile descriptor file 1-4
ACCT0024 Can't get bitfile count 1-4
ACCT0025 Can't open bf disk segment file 1-5
ACCT0026 Can't open bf tape segment file 1-5
ACCT0027 Can't read bf disk segment file 1-5
ACCT0028 Can't read bf tape segment file 1-5
ACCT0029 Can't read accounting policy record 1-5
ACCT0030 Can't update accounting policy record 1-5
ACCT0031 Can't free an ofd 1-6
ACCT0032 Can't open general server config file 1-6
ACCT0033 Can't read bfs general server record 1-6
ACCT0035 Can't read bfs specific server record 1-6
ACCT0036 Accounting run bitfiles processed: %s 1-6
ACCT0037 Accounting is already running 1-6
ACCT0038 Can't open accounting checkpoint file 1-7
ACCT0039 Can't unlock lock file 1-7
ACCT0040 Error trying to check lock file 1-7
ACCT0048 Accounting Run Terminated by SSM 1-7
ACCT0049 Can't open lock file 1-7
ACCT0050 Can't close lock file 1-7
ACCT0053 Can't unlink lock file 1-8
ACCT0055 Can't allocate disk map array 1-8
ACCT0056 Can't open bf disk map file 1-8
ACCT0057 Can't read bf disk map file 1-8

B

BFSR0001 System call <sys-func-name> failed 2-1
BFSR0002 BFS configuration initialization error 2-1
BFSR0003 Request list initialization error 2-1
BFSR0004 Error on mutex initialization 2-1
BFSR0005 Error in processing UUID 2-2
BFSR0006 BFS initialize register error 2-2
BFSR0008 BFS initialize Class of Service error 2-2
BFSR0009 BFS Main: rpc server listen error 2-2
BFSR0010 Open context list is corrupted 2-2
BFSR0011 Failure in locking mutex 2-2
BFSR0012 Failure in unlocking mutex 2-3
BFSR0013 Read BFS metadata configuration error 2-3
BFSR0014 Metadata information is not BF Server 2-3
BFSR0015 Read BFS metadata config-file error 2-3
BFSR0016 Read SS metadata configuration error 2-3
BFSR0017 Metadata copy is not Storage Server 2-3
BFSR0018 Condition variable init. error 2-4
BFSR0019 BFS register initialization error 2-4
BFSR0020 Get DCE binding handle for SS error 2-4
BFSR0021 Open SS context connection error 2-4
BFSR0023 Request list insert failed 2-4
BFSR0024 Exclusive lock on bitfile failed 2-5
BFSR0025 Find bitfile cache failed 2-5
BFSR0026 Read bitfile descriptor metadata error 2-5
BFSR0027 Failure deleting request list ent 2-5
BFSR0028 Invalid bitfile handle 2-5
BFSR0029 Set current position not allowed 2-6
BFSR0030 Set owner-record failed 2-6
BFSR0032 Security not used in Release 3 2-6
BFSR0033 Allocate bitfile metadata OFD error 2-6
BFSR0035 Set attribute failed 2-6
BFSR0036 Update bitfile descriptor failed 2-7
BFSR0037 Failed to reload segments cache 2-7
BFSR0038 Add segment to metadata error 2-7
BFSR0039 Delete segment from metadata error 2-7
BFSR0040 Build overlapped segment error 2-7
BFSR0041 Update segment metadata error 2-8
BFSR0042 No new segments to build 2-8
BFSR0043 Attempt to convert bad bitfile handle 2-8
BFSR0044 Create bitfile metadata faile 2-8
BFSR0045 Update bitfile metadata failed 2-8
BFSR0046 SOID create failed 2-8
BFSR0047 Create build descriptor failed 2-9
BFSR0048 Delete SS segments failed 2-9
BFSR0049 Error in destroying mutex condition 2-9
BFSR0050 Error destroying mutex condition var 2-9
BFSR0051 Metadata is out of synch with BFS 2-9
BFSR0052 Mutex condition wait error 2-9
BFSR0053 SS_Create failed 2-10
BFSR0054 Error in freeing OFD 2-10
BFSR0055 Read bitfile segments by bitfile error 2-10
BFSR0056 Get bitfile cache failed 2-10
BFSR0057 Build bitfile open context failed 2-10
BFSR0058 Process open flag options failed 2-11
BFSR0059 Allocate BF open context failed 2-11
BFSR0060 Find bitfile cache entry failed 2-11
BFSR0061 Initialize bitfile cache failed 2-11
BFSR0062 error in uuid hash call, status = 2-11
BFSR0063 Cannot do both an append and truncate 2-11
BFSR0064 Must open file for write if truncating 2-12
BFSR0066 Truncation on Open Faile 2-12
BFSR0067 Wrong descriptor type or wrong file 2-12
BFSR0068 Elements of stripe are inconsisten 2-12
BFSR0069 Striping is not yet implemented 2-12
BFSR0070 RPC SS allocate failed 2-12
BFSR0071 Only FILE_ADDRESS allowed, this layer 2-13
BFSR0072 Different files addressed, processed 2-13
BFSR0073 Stripe address type is wrong type 2-13
BFSR0074 Only Net, IPI, PFS addresses allowed 2-13
BFSR0076 No cache block for bitfile 2-13
BFSR0077 Error in signaling condition 2-13
BFSR0078 Bad unlock, invalid thread, state 2-14
BFSR0079 Bitfile open context block not found 2-14
BFSR0081 memcmp failed to locate open rev-map 2-14
BFSR0082 RevMapCount exceeded
BFS_NUM_REV_MAPS 2-14
BFSR0083 SS and BFS metadata are inconsistent 2-14
BFSR0084 Bitfile Server IOR source, bad pointer 2-14
BFSR0085 Storage Server IOR sink, bad pointer 2-15

BFSR0086 Bitfile Server IOR sink, bad pointer 2-15
BFSR0087 Find Append Segment for write failed 2-15
BFSR0088 Get New Current Segment for write bad 2-15
BFSR0089 No IOD was built for Storage Server 2-15
BFSR0090 Delete bitfile descriptor failed 2-15
BFSR0091 Bitfile delete failed on close 2-16
BFSR0092 Unlink callback setup failed 2-16
BFSR0093 tran_GetGlobalState failed 2-16
BFSR0094 Truncate data length failed 2-16
BFSR0095 Open context allocate failed, max open 2-16
BFSR0096 End session to storage server failed 2-16
BFSR0098 Begin session to storage server failed 2-17
BFSR0099 Attempt to unlock without holding lock 2-17
BFSR0100 OFD initialization failed 2-17
BFSR0101 Bitfile server startup complete 2-17
BFSR0102 Failure in hpss_InitServer, / 2-17
BFSR0103 Error in hpss_PreInitConnections 2-17
BFSR0104 Error in hpss_PreRegisterService 2-18
BFSR0106 Call to hsec_Init failed 2-18
BFSR0107 Close error in serv_CloseConn 2-18
BFSR0109 Error creating authorization vector 2-18
BFSR0111 Error reading NS config data 2-18
BFSR0112 Error reading MPS config data 2-18
BFSR0114 Error reading SSM config data 2-19
BFSR0115 Unable to tell if caller is authorized 2-19
BFSR0116 Can't get server ID 2-19
BFSR0117 Error unsealing authz ticket 2-19
BFSR0118 Error converting ticket from string 2-19
BFSR0119 Name server not connected 2-19
BFSR0121 SSM bfs_ServerSet reinit not allowed 2-20
BFSR0122 Invalid default class of service 2-20
BFSR0126 Error in processing segment checkpoint 2-20
BFSR0127 Storage server get attributes failed 2-20
BFSR0129 Error in caching in disk maps 2-20
BFSR0130 Failure in creating a disk map 2-20
BFSR0131 Failure in updating a disk map 2-21
BFSR0132 General diskmap failure 2-21
BFSR0133 Failure in deleting a disk map 2-21
BFSR0134 Internal software error, <additional description for specific situation> 2-21
BFSR0135 No storage server available for request. 2-21
BFSR0136 Error searching hierarchy table 2-22
BFSR0137 Error searching sclass table 2-22
BFSR0138 Invalid info in sclass table 2-22
BFSR0139 Caching of hierarchy table failed 2-22
BFSR0140 Caching of sclass tables failed 2-22
BFSR0141 Error in updating IO statistics 2-23
BFSR0144 Entering <API name> 2-23
BFSR0145 Exiting <API name> 2-23
BFSR0146 Stage failed 2-23
BFSR0147 Invalid storage level specified 2-23
BFSR0148 Request storage segment on copy/move not found 2-24
BFSR0150 Copy request failed 2-24
BFSR0151 Request rejected, file reached maximum fragmentation allowed 2-24
BFSR0152 Storage server not available for background unlink request 2-24
BFSR0153 BFS tracing, <trace message> 2-24
BFSR0154Bad request type for copy, <type> 2-25
BFSR0155 Gap found in copy request 2-25
BFSR0156 Non-null source/sink list in mover reply 2-25
BFSR0157 Null request specific reply in mover reply 2-25
BFSR0158 Invalid request specific reply type, <type> 2-25
BFSR0159 Null address list in mover reply 2-25
BFSR0160 Invalid stripe address list length 2-26
BFSR0161 Invalid address type, <type> 2-26
BFSR0162 Wait on read sockets(select) failed 2-26
BFSR0163 Accept of connection(accept)) failed 2-26
BFSR0164 Setting of socket option(setsockopt) failed 2-26
BFSR0165 Socket creation(socket) failed 2-26
BFSR0166 Socket address assignment(bind) failed 2-27
BFSR0167 List for connections(listen) failed 2-27
BFSR0168 Determination of socket address(getsockname) failed 2-27
BFSR0169 Could not find offset in mover replies, offset =<value> 2-27
BFSR0170 Active side of copy operation failed 2-27
BFSR0171 Passive side of copy operation failed 2-27
BFSR0172 Invalid purge request, <additional info> 2-28
BFSR0173 Error building authorization ticket 2-28
BFSR0174 Error sealing authorization ticket 2-28
BFSR0175 Error collecting storage server statistics, server =<server name> 2-28
BFSR0176 Open connection to SSM failed 2-28
BFSR0177 io control parms max copy <value>, max_total io <value>,max_threads<value> 2-28
BFSR0178 Operation not valid for COS, Oflags = <value>,ReadOps = <value>, WriteOps = <value> 2-29
BFSR0179 Max file size exceeds that allowed by COS 2-29
BFSR0182 Failure in writing security audit record 2-29
BFSR0183 Failure in processing storage seg unlink record 2-29
BFSR0184 system crashing to prevent orphaning a storage segment 2-29
BFSR0188 Open files on connection shutdown 2-29
BFSR0189 Invalid segment list specified 2-30
BFSR0190 Failure in copying data 2-30
BFSR0191 Failure in creating a COS change record 2-30
BFSR0192 NS connect failed due to insufficient authorization 2-30
BFSR0193 Read NS metadata configuration error 2-30
BFSR0194 Metadata copy is not name server 2-30
BFSR0195 Failure in deleting COS change record 2-31
BFSR0196 BFS open failed 2-31
BFSR0197 BFS close call failed 2-31
BFSR0198 Invalid HPSS COS specified 2-31
BFSR0199 BFS create call failed 2-31
BFSR0200 BFS copy file call failed 2-31
BFSR0201 CNS getname call failed 2-32
BFSR0202 CNS setattrs call failed 2-32
BFSR0203 BFS unlink call failed 2-32
BFSR0204 Error reading COS change record 2-32
BFSR0205 Error getting credentials for name server 2-32
BFSR0206 Get DCE binding handle for NS failed 2-32
BFSR0207 Open NS context connection error 2-33
BFSR0208 Read MPS metadata specific config-file failed 2-33
BFSR0209 Caching of migration policy tables failed 2-33
BFSR0210 Caching of purge policy tables failed 2-33
BFSR0211 Error in processing migration record file 2-33
BFSR0212 Error in processing purge record file 2-33
BFSR0213 Sink side passive in tape to tape copy 2-34
BFSR0214 ss_StartMount failed 2-34
BFSR0215 Check current write segment failed 2-34
BFSR0216 BFS debug,<additional information> 2-34
BFSR0217 Error in processing acct log file 2-34

BFSR0218 Error in processing acct summary file 2-34
BFSR0219 Preallocate not allowed 2-35
BFSR0220 xxxx ENOENT errors returned on SS unlink 2-35
BFSR0223 Error in reading purge record 2-35
BFSR0224 Error in updating purge record 2-35

C

CONF0001 Unmake HPSS failed... 3-1
CONF0005 DCE is not running... 3-1
CONF0006 User <USER> must be root to run this function... 3-1
CONF0007 Cannot acquire DCE tickets... 3-1
CONF0008 Configure HPSS with DCE failed 3-2
CONF0009 Configure HPSS with Encina failed 3-2
CONF0010 Invalid Option Number, try again... 3-2
CONF0011 FTP Daemon setup failed 3-2
CONF0012 Error occurred in subsystem remote installation... 3-2
CONF0013 Subsystem Remote installation not supported on this node 3-2
CONF0014 Can not make logical volume for encina logserver 3-3
CONF0015 Can not make logical volume for Encina SFS 3-3
CONF0016 Error occurred on creating <logserver component> 3-3
CONF0017 DCE login failed... 3-3
CONF0018 Add SSM user <USER> failed... 3-3
CONF0020 Error occurred on recycling SFS server 3-3
CONF0021 Port number reserved, try again... 3-4
CONF0022 Can not add <HPSS FTP> entry to %s/services 3-4
CONF0023 Error occurred on subsystem tar file generation 3-4
CONF0024 Can not extract subsystem: <subsystem> on target node: <node ID> 3-4
CONF0025 Can not remote copy tar file: <subsystem>.tar to target node: <node ID> 3-4
CONF0026 Error occurred when disable rsh to target node: <node ID> 3-4
CONF0027 usage error 3-5
CONF0028 Can not open target node root user id password file 3-5
CONF0029 Can not FTP to the target node; FTP connect timed out 3-5
CONF0030 Can not FTP to the target node; bad FTP reply 3-5
CONF0031 Can not FTP to the target node as user <user ID> 3-5
CONF0033 Can not set up rsh capability on the target node 3-6
CONF0034 Can not remove/restore rsh capability on the target node 3-6
CONF0035 Can not enable rsh to target node: <node ID> 3-6
CONF0036 Invalid subsystem selected, subsystem = <subsystem name> 3-6
CONF0037 Can not open <file>; exiting... 3-6
CONF0038 Can not add HPSS Startup Daemon entry to inittab 3-6
CONF0039 Error occurred on initializing <SFS server> 3-7
CSHL001 RPC <RPC name> failed: <reason> 4-1, 5-1, 6-1, 13-23, 20-1, 21-1, 25-1, 27-1
CSHL002 Unable to get RPC handle to server <server name>: <reason> 4-1
CSHL003 TRPC <TRPC name> failed: <reason> 4-1
CSHL004 Unable to construct TRPC handle to server <server name>: <reason> 4-1
CSHL063 Server generated <N>th RPC handle to <server name> 4-2

D

DCES0005 Error <number> : <reason> 5-1
DCES0006 DCE Communications failure 5-1
DCES0007 Generic HPSS error 5-1
DCES0008 Connection Suspended 5-1
DCES0009 Authentication Error 5-2
DCES0010 Connection manager initialization error 5-2
DCES0011 Connection table is full 5-2
DCES0012 Bad Connection Handle 5-2
DCES0013 Connection busy; deletion has been deferred 5-2
DCES0014 Hostname() failed 5-3
DCES0037 Nil object uuid or bad binding: <binding> 5-3
DCES0038 Cannot <open, lseek, truncate, ...> file <filename> : <reason> 5-3
DCES0039 Cannot find any free locks in lock file <filename> : <reason> 5-3
DCES0040 Cannot change owner of lock file <filename> 5-3
DCES0041 Finding service <servicename> [t<threadid>] 5-4
DCES0042 Service not found [t<threadid>] : <reason> 5-4
DCES0043 Inquiring server principal name [t<threadid>] 5-4
DCES0044 Inquiry failed [t<threadid>] : <reason> 5-4
DCES0045 Setting auth info [t<threadid>] 5-5
DCES0046 Auth info failed [t<threadid>] : <reason> 5-5
DCES0047 Service was found [t<threadid>] 5-5
DCES0048 Resolve_binding for <binding> [t<threadid>] 5-5
DCES0049 Resolve_binding failed [t<threadid>] : <reason> 5-5
DCES0050 Check server listening [t<threadid>] 5-6
DCES0051 Server_listening failed [t<threadid>] : <reason> 5-6
DCES0052 Try again; this time bypass CDS cache [t<threadid>] 5-6
DCES0053 Registering services in <cdsname> 5-6
DCES0054 Cannot delete CDS entry : <reason> 5-7
DCES0055 Unexpected problem with library routine <routinename> : <reason> 5-7
DCES0056 Registering <binding> 5-7
DCES0057 Cannot export bindings : <reason> 5-7
DCES0058 Purging endpoints 5-8
DCES0059 Cannot purge <binding> : <reason> 5-8
DCES0060 Purging <binding> 5-8
DLOG0400 Initialization of logging services failed 6-1
DLOG0401 Invalid argument count specified 6-2
DLOG0511 Log file lseek failed 6-2
DLOG0540 Log file read failed 6-2
DLOG0602 Log file open failed 6-2
DLOG0607 Log file close failed 6-2
DLOG0800 Usage error: duplicate delog start time 6-3
DLOG0801 Usage error: invalid delog start time 6-3
DLOG0802 Usage error: duplicate delog end time 6-3
DLOG0803 Usage error: duplicate HPNS name 6-3
DLOG0805 Usage error: duplicate keytab pathnam 6-3
DLOG0806 Usage error: duplicate log principal name 6-3
DLOG0807 Usage error: invalid delog end time 6-4
DLOG0808 Usage error: invalid delog record type 6-4
DLOG0809 Usage error: invalid delog option 6-4
DLOG0810 Set login context failed 6-4
DLOG0811 Open of delog output file failed 6-4
DLOG0812 Allocation of delog buffer failed 6-4

DLOG0813 Invalid log file header detected 6-5
DLOG0814 Write to delog output file failed 6-5
DLOG0815 Delog complete - number of output records = %d 6-5
DLOG0816 Close of delog output file failed 6-5
DLOG0817 Delog output file name may not be logfile01 or logfile02 6-5
DMG0000 Invalid Message Number - Message should never appear (software error): 7-1
DMG0001 Entering procedure %s. 7-1
DMG0002 Exiting procedure %s. 7-1
DMG0003 Client API error (%s), procedure %s - See Client API documentation 7-1
DMG0004 Bad connection handle, procedure %s - SSM or Client API passed invalid handle 7-2
DMG0005 Caller not authorized, procedure %s - PROBABLE REASON: Administrative user does not have control permission set in ACL. 7-2
DMG0006 File Set not found or mounted, procedure %s - PROBABLE REASON: Fileset does not exist or the HDM has not yet issued mount request. 7-2
DMG0007 Server (%s): %s. 7-2
DMG0008 DCE thread error (%s), procedure %s - PROBABLE REASON: software error in DMAP Gateway 7-3
DMG0009 File System (%d) has no configured file sets, procedure %s" - PROBABLE REASON: A fileset never created for the FileSystem, HDM and DMAP Gateway have inconsistent configurations 7-3
DMG0010 FileSystem (%d) has inconsistent metadata, procedure %s - PROBABLE REASON: Filesets on FileSystem are managed by different HDM's. 7-3
DMG0012 Invalid mode (0x%08x) or type (%d), procedure %s - HDM software error. 7-3
DMG0013 Other than HPSS name space option not allowed, procedure %s - HDM trying to use fileset option not yet supported. 7-4
DMG0014 Error sending intermediate 2-phase commit message, procedure (%s) - PROBABLE REASON: HDM server shutdown/crash or network failure. 7-4
DMG0015 Error receiving 2-phase commit result, procedure %s - PROBABLE REASON: network failure, HDM shutdown/crash, or xdr inconsistency. 7-4
DMG0016 Aborting request by user request, procedure %s. 7-4
DMG0017 Error socket communication failure, procedure %s. 7-5
DMG0018 ACL's being sent but ACLArray is NULL, procedure (%s) - HDM software bug. 7-5
DMG0019 2-Phase result call out of sequence, procedure (%s) - software bug(HDM). 7-5
DMG0020 The open bitfile descriptor array is out of sync, procedure (%s) - DMAP Gateway software bug. 7-5
DMG0021 %s just freed up descriptor %d. 7-5
DMG0022 Could not open bitfile, procedure (%s) - PROBABLE REASON: hpss_OpenBitfile failed because BFS is down. 7-6
DMG0023 %s get bitfile descriptor %d. 7-6
DMG0024 %s going to sleep largest slot in use %d. 7-6
DMG0025 %s closing bitfile descriptor %d. 7-6
DMG0026 %s opened new bitfile descriptor %d. 7-6
DMG0027 %s created new file set %s, on file system %s 7-6
DMG0028 %s could not create file set (%s), on file system (%s) - PROBABLE REASON: Name Server, SFS, or HDM down. 7-7
DMG0029 %s deleted file set %s, on file system %s 7-7
DMG0030 %s could not delete file set (%s), on file system (%s) - PROBABLE REASON: Name Server or SFS down, or fileset is not empty. 7-7
DMG0031 Could not open SFS file %s, from procedure %s - PROBABLE REASON: DCE/Encina /SFS down, file does not exist, or file name is incorrect (Use sfsadmin to rename file or alter DMAP Gateway specific configuration file name entry). 7-7
DMG0032 An Ofd has gone invalid in procedure %s, function called %s,retrycnt %d. 7-8
DMG0033 Metadata error procedure %s, function %s - PROBABLE REASON: SFS down or software deadlock. 7-8
DMG0034 %s called for socket %d. 7-8
DMG0035 %s returned for socket %d, retval = %d, StopTCPProcessing = %d. 7-8
DMG0036 %s entered. 7-8
DMG0037 %s call to routine (%s) failed with errno (%d). 7-9
DMG0038 %s terminating (%s),returned %d. 7-9
DMG0039 Sigwait routine had unexpected failure, procedure %s, function %s - PROBABLE REASON: DMAP Gateway software bug. 7-9
DMG0040 Sigwait returned a signal that we are not blocked for %s, sig = %d - PROBABLE REASON: software bug (DMAP Gateway). 7-9
DMG0041 Dropped out the bottom of a forever loop in procedure %s - software bug. 7-9
DMG0042 %s error calling %s, process shutting down - PROBABLE REASON: Encina/HPSS initialization error. 7-10
DMG0043 %s is up and running. 7-10
DMG0044 %s has been called twice - PROBABLE REASON: SSM shutdown by impatient administrator, DMAP Gateway hung cleaning SFS or CDS. Halt server if it appears hung cleaning up SFS or CDS. 7-10
DMG0045 %s is shutting the system down SLOWLY - DMAP Gateway will attempt to cleanup CDS and SFS entries. 7-10
DMG0046 %s is shutting the system down QUICKLY - DMAP Gateway will NOT clean up SFS or CDS entries. 7-10
DMG0047 %s having problem unregistering service %s - No administrative action necessary, but CDS entries for server may still exist. 7-11
DMG0048 %s having problem calling %s - HDM may be down. 7-11
DMG0049 %s could not malloc space - software problem. Memory growth or memory overwrite problem. 7-11
DMG0050 Bad input parameter, procedure %s - PROBABLE REASON: SSM interface error (invalid parameters passed). 7-11
DMG0051 File set list entry built,file set name = (%s). 7-11
DMG0052 File set name (%s), just got mounted. 7-12
DMG0053 File set name (%s), just got unmounted. 7-12
DMG0054 Reinitialization not yet implemented (%s) - possible future release feature. 7-12
DMG0055 %s in inconsistent state %s - software error (DMAP Gateway). 7-12
DMG0056 RPC Error attempting to reconnect %s - PROBABLE REASON: SSM is down. 7-12
DMG0057 RPC Error bad connection in function %s -

PROBABLE REASON: SSM is down. 7-12
DMG0058 Could not get host name from func (%s), hostname (%s) - PROBABLE REASON: hostname does not exist or network problem. 7-13
DMG0059 File Set (%s) being managed on host (%s) tcpport (%d). 7-13
DMG0060 (%s) in function (%s) returned (%d) 7-13
DMG0061 Error %d returned from hpss_InitServer. Calling exit - PROBABLE REASON: Generic Configuration is wrong. 7-13
DMG0062 (%s) could not set COS for file size (0x%08x.%08x) - hpss_SetCOSByHints failed - PROBABLE REASON: overwriting a file which already has data on disk. This can happen during normal HDM migration of data into HPSS. 7-13
DMG0070 Error %d adding the new fileset to the socket list - PROBABLE REASON: memory growth problem or fileset inconsistency. 7-14
DMG0071 Fileset ID %d is already in the socket list. It can't be added again - PROBABLE REASON: software bug (DMAP Gateway). 7-14
DMG0072 GetFilesetAttrs to HDM host (%s) port (%d) failed with error (%d) - Either fileset ID is wrong, FileSystem ID is wrong, HDM down, or HDM does not manage fileset (Check HDM filesys.dat file). 7-14
DMG0073 Attempt to connect to HDM host (%s) port (%d) failed with error (%d) - HDM down or network failure. 7-14
DMG0074 Attempt to get socket for HDM host (%s) port (%d) failed with error %d - PROBABLE REASONS: no HDM running on port, server memory corruption, or file descriptors being left open. 7-14
DMG0075 Hostname for HDM is %d bytes and can't be more than %d bytes - HDM sent invalid parameters. 7-15
DMG0076 Could not init the %s mutex from %s - PROBABLE REASON: memory growth or curruption caused by software bug. 7-15
DMG0077 The ObjectType is not equivalent to the type in the HPSSMode - HDM is sending bad parameters. 7-15
DMG0079 Output pointer, DMAPSecServerUUID, is NULL in (%s) - PROBABLE REASON: SSM passed incorrect parameters. 7-15
DMG0080 Output pointer, ReturnAttrs, is NULL in (%s) - SSM or Client API passed invalid parameters during dmg_hp_lookup or dmg_hp_setattrs calls. 7-15
DMG0081 The fileset to get a socket for has no SocketList. Returned (%d) - PROBABLE REASON: software bug (DMAP Gateway). 7-16
DMG0082 No memory available to make a socket entry. Returned %d to caller - memory corruption or memory growth problem. 7-16
DMG0083 The socket descriptor to be released was not found in it's list - software bug (DMAP Gateway). 7-16
DMG0084 No memory was available to build the fileset socket list - memory growth or corruption error. 7-16
DMG0085 TRPC error %d returned from call to %s - PROBABLE REASON: HDM went down. 7-16
DMG0086 Call to gethostbyname_r for host (%s) failed with error (%d) - PROBABLE REASON: host does not exist or network problem. 7-17
DMG0087 There is no connection context for this user - PROBABLE REASON: Network problems caused SSM or Client API connection timeout. 7-17
DMG0088 Received error %d from hpss_EnterConnection in SelectUserCreds - connection timed out and was shutdown. 7-17
DMG0089 The DFS token exceeds the maximum number of permitted bytes - HDM problem software bug. 7-17
DMG0090 HPSS_ENOTREADY error returned from (%s) - DMAP Gateway not yet ready to process requests. 7-17
DMG0091 Error %d returned by SelectUserCreds in function %s. 7-18
DMG0092 The new DMAPI handle exceeds the maximum number of permitted bytes - HDM software bug. 7-18
DMG0093 The old DMAPI handle exceeds the maximum number of permitted bytes - HDM software bug. 7-18
DMG0094 Path name for old name has %d characters. That's too many - Pathname can not exceed 256 bytes. 7-18
DMG0095 Path name for new name has %d characters. That's too many. 7-18
DMG0096 Symlink contents has %d characters. That exceeds the maximum allowed. 7-18
DMG0097 Received a DMAPI handle that exceeds the maximum permitted length. 7-19
DMG0098 Got an error when (%s) was called in procedure %s - PROBABLE REASONS: either socket call failed or unable to connect to HDM. 7-19
DMG0099 Pathname has %d characters. That exceeds the maximum allowed. 7-19
DMG0100 Entering procedure %s request from UID %d. 7-19

H

HD_0274 Empty or corrupt filesys.dat detected; first and last lines must be '%s%d' 8-43
HDM0002 Unexpected problem with library routine (%s) 8-1
HDM0003 Insufficient memory 8-1
HDM0004 Entering routine %s 8-1
HDM0005 Exiting routine %s 8-1
HDM0006 Unable to create shared memory 8-1
HDM0007 Unable to attach to shared memory 8-2
HDM0008 Unable to delete shared memory 8-2
HDM0009 Have created shared mem, id=%d, size=%d 8-2
HDM0010 Cannot open or truncate log file %s 8-2
HDM0011 Cannot create semaphore 8-2
HDM0012 Cannot set semaphore value 8-2
HDM0013 Cannot delete semaphore 8-3
HDM0014 Have created semaphore, id=%d 8-3
HDM0015 Cannot signal semaphore 8-3
HDM0016 Cannot wait on semaphore 8-3
HDM0017 Cannot fork process 8-3
HDM0018 Shared memory key is %d, should be %d 8-3
HDM0019 Shared memory process id doesn't match actual process id 8-4
HDM0020 Shared memory index is %d, should be %d 8-4
HDM0021 Cannot initialize dmapi 8-4
HDM0022 Cannot create dmapi session 8-4
HDM0023 Cannot register to receive events on file system %d 8-4
HDM0024 Initialized dmapi version '%s' 8-4
HDM0025 Unexpected event %d 8-5
HDM0026 Cannot signal event handler 8-5

HDM0027 Cannot read or write log file %s 8-5
HDM0028 Event log %s is full 8-5
HDM0029 Shutting down with exit code %d 8-5
HDM0030 Unknown option type %d 8-5
HDM0031 Problem getting event 8-6
HDM0032 Problem getting end user auth info 8-6
HDM0033 ASCII handle is not a valid hex number 8-6
HDM0034 Evt state entry (%d) not in table 8-6
HDM0035 Syncpost without pre event; pairing = %d 8-6
HDM0036 Ran out of event buffers 8-6
HDM0037 Invalid handler type 8-7
HDM0038 Han state entry (%d) not in table 8-7
HDM0039 Cannot connect to gateway %s on port %d 8-7
HDM0040 Host %s not found 8-7
HDM0041 Permchange event is trying to set both mode and ACL 8-7
HDM0042 Cannot get session information 8-7
HDM0043 Unexpected problem with DMAPI routine %s 8-8
HDM0044 Syncpost delivered to wrong process 8-8
HDM0045 Resizing a DMAPI buffer. New size = %d 8-8
HDM0046 %s asked for buffer of size %d since %d is too big 8-8
HDM0047 Unknown fileset (%d,%d) 8-8
HDM0048 File system not ready 8-8
HDM0049 Cannot set return-on-destroy value 8-9
HDM0050 The string %s is too long 8-9
HDM0051 Unknown event %d 8-9
HDM0052 Error opening configuration file %s 8-9
HDM0053 Mount event for file system %s 8-9
HDM0054 Mounting file system %s 8-9
HDM0055 File system %s is not being managed 8-10
HDM0056 File system %s is already mounted 8-10
HDM0057 Asked to use file system %s, but we think name is %s 8-10
HDM0058 Gateway failed to mount file system %s 8-10
HDM0059 Fileset %s refers to non-existent file system %d 8-10
HDM0060 Option of parent directory and fileset must be the same 8-10
HDM0061 Unexpected event in view of fileset option 8-10
HDM0062 Destroy w/o prior remove; object may not be destroyed 8-11
HDM0063 Pre and syncpost events are not consistent 8-11
HDM0064 Removing last reference to file %s 8-11
HDM0065 No return-on-destroy info; object not migrated 8-11
HDM0066 Bad return-on-destroy length (%l) or name (%s) 8-11
HDM0067 Wrong dmapi version string ‘%s’, should be ‘%s’ 8-11
HDM0068 Attempt to do cross-filesystem operation 8-12
HDM0069 Rename over existing object 8-12
HDM0070 Problem converting handle plus name to handle 8-12
HDM0071 Problem getting rights 8-12
HDM0072 Found destroy log record with wrong soid 8-12
HDM0073 Problem responding to event 8-12
HDM0074 Problem releasing rights 8-13
HDM0075 Problem setting dm attributes 8-13
HDM0076 Problem getting dm attributes 8-13
HDM0077 Cannot get file, directory, or fileset attributes 8-13
HDM0078 Cannot get access control list 8-13
HDM0079 Cannot find session information 8-13
HDM0080 Starting new session 8-14
HDM0081 Attaching to existing session %d 8-14
HDM0082 There are %d other sessions for the session named %s 8-14
HDM0083 Session id for %s is %d 8-14
HDM0084 Cannot destroy session %d 8-14
HDM0085 File system %s has not yet been mounted 8-14
HDM0086 File system not registered 8-15
HDM0087 Starting processes for filesystem %d 8-15
HDM0088 Handle[%d]: %s 8-15
HDM0089 Problem querying object rights 8-15
HDM0090 Cannot get fileset info 8-15
HDM0091 Setting up fileset %s 8-15
HDM0092 New DFS fileset %s found 8-16
HDM0093 Creating fileset %s 8-16
HDM0094 Cannot get file system handle 8-16
HDM0095 Cannot get file system id or fileset id 8-16
HDM0096 Tried to create fileset on unknown file system %d 8-16
HDM0097 Cannot have two filesets with same fileset id (%d,%d) 8-16
HDM0098 Gateway %s, port %d, is not listed in gateways config file 8-17
HDM0099 Fileset name is too long 8-17
HDM0100 Cannot access fileset until more info defined 8-17
HDM0101 Fileset is down 8-17
HDM0102 Gateway failed to unmount file system %s 8-17
HDM0103 Syntax error reading config file in line: %s 8-17
HDM0104 Too many file systems 8-18
HDM0105 Too many filesets 8-18
HDM0106 Executable path name %s/%s is too long 8-18
HDM0107 The native option is not supported 8-18
HDM0108 Cannot get tokens 8-18
HDM0109 ServerID line must be first in file 8-18
HDM0110 config.dat: %s 8-19
HDM0111 filesys.dat: %s 8-19
HDM0112 ServerID %d not found 8-19
HDM0113 Server config parameter %s already defined 8-19
HDM0114 A field has not been defined 8-19
HDM0115 Param (%s) inconsistent in call to (%s) 8-19
HDM0116 DM attribute (%s) not found 8-20
HDM0117 File system handle mismatch 8-20
HDM0118 Media designator mismatch (%s) != (%s) 8-20
HDM0119 Mount path mismatch (%s) != (%s) 8-20
HDM0120 Process state change to (%s) 8-20
HDM0121 Object not a file and (%s) DM attribute is set 8-21
HDM0122 Error purging file, error (%d), bytes purged (%lld) 8-21
HDM0123 Purge successful: (%d) files (%lld) bytes 8-21
HDM0124 Error (%d) returned from function (%s) 8-21
HDM0125 Purge start: in use (%lld%%) start (%d%%) Bytes in use (%lld) total bytes (%lld) Number of bytes to purge (%lld) 8-21
HDM0126 Purge not needed: in use (%lld%%) start (%d%%) Bytes in use (%lld) Total bytes (%lld) 8-21
HDM0127 Error migrating file error (%d) 8-22
HDM0128 Migrate process migrated (%d) files (%lld) bytes (%lld) MBytes 8-22
HDM0129 Destroy log full 8-22
HDM0130 Operation attempted on unsupported file type %d 8-22
HDM0131 Destroyed DFS file but couldn’t destroy HPSS file 8-22
HDM0132 Destroyed %d file(s); high water mark = %d 8-22

HDM0133 Inconsistent state (destroying file twice) 8-23
HDM0134 Unexpected destroy state %d 8-23
HDM0135 Bad LogRecordMask keyword %s 8-23
HDM0136 Invalid data in log file %s 8-23
HDM0137 Cannot rename log file %s to %s 8-23
HDM0138 Cannot find file or directory %s 8-23
HDM0139 Destroy log is filled with undeletable files 8-24
HDM0140 Recovering file system %d 8-24
HDM0141 Doing hard recovery 8-24
HDM0142 Recovery done 8-24
HDM0143 Ignoring cancel event 8-24
HDM0144 Too many gateways 8-25
HDM0145 Socket database is inconsistent 8-25
HDM0146 Uunexpected event status %d 8-25
HDM0147 Child called exit, pid = %d, exit status = %d 8-25
HDM0148 Child received signal, pid = %d, signal number = %d 8-25
HDM0149 Child stopped, pid = %d, stop signal = %d 8-25
HDM0150 Child died, pid = %d, wait status = %d 8-26
HDM0151 Destroy log contains %d events 8-26
HDM0152 Main log contains %d events 8-26
HDM0153 Recovering outstanding event, pairing = %d 8-26
HDM0154 Recovering stale event, pairing = %d 8-26
HDM0155 Event = %s, status = %s, pairing = %d 8-26
HDM0156 Responding OK to all events 8-27
HDM0157 Duplicate file system found in config file 8-27
HDM0158 Duplicate fileset found in config file 8-27
HDM0159 Read or write event deferred; too many stages in progress 8-27
HDM0160 Could not find either old or new renamed object 8-27
HDM0161 Tried to destroy object that is already destroyed 8-27
HDM0162 Cannot signal migrator 8-28
HDM0163 Cannot signal purger 8-28
HDM0164 Unexpected child died 8-28
HDM0165 Cannot signal a child because it has died 8-28
HDM0166 Need at least one of each kind of event handler 8-28
HDM0167 File system %d has unknown option type DM attribute 8-28
HDM0168 File system %d has wrong option type in config file 8-29
HDM0169 File system id mismatch %d != %d 8-29
HDM0170 Setting option DM attribute for file system %d 8-29
HDM0171 Fileset id mismatch (%d,%d) != (%d,%d) 8-29
HDM0172 Fileset name mismatch %s != %s 8-29
HDM0173 Fileset %s is not on the file system 8-29
HDM0174 Writing new file system config file; backup is in %s 8-30
HDM0175 Enabling file system %d 8-30
HDM0176 File system already exists 8-30
HDM0177 Zapped %d file(s); high water mark = %d 8-30
HDM0178 Cannot have two filesets with same name (%s) 8-30
HDM0179 Too many migration or purge policies defined 8-30
HDM0180 Field %s is undefined 8-31
HDM0181 Policy name %s is not defined 8-31
HDM0182 policy.dat: %s 8-31
HDM0183 Duplicate policy name %s 8-31
HDM0184 Bad Flags keyword %s 8-31
HDM0185 Bad message directory %s 8-31
HDM0186 Problem opening or using a message log file 8-32
HDM0187 Cancel event for sequence %d, token %d 8-32
HDM0188 gateways.dat: %s 8-32
HDM0189 Cannot destroy HPSS file because bitfile id unknown 8-32
HDM0190 Namespaces are getting out of sync 8-32
HDM0191 Retrying... 8-32
HDM0192 Error creating user event 8-33
HDM0194 Shared memory is corrupt, or else may need to recompile 8-33
HDM0195 Unknown fileset %s 8-33
HDM0196 Waiting for %s 8-33
HDM0197 Cannot mount %s locally at %s 8-34
HDM0198 Mounting fileset %s on %s” 8-34
HDM0199 Mount point %s is not a directory 8-34
HDM0200 Usage: %s [-r <Restarts Left> <Last Start Time>] <Config File> <Server ID> 8-34
HDM0201 Usage: %s <Shared Memory Key> <Evt State Index> 8-34
HDM0202 Usage: %s <Shared Memory key> <Han State Index> 8-34
HDM0203 Usage: %s <Shared Memory key> 8-35
HDM0205 Usage: %s <Shared Memory key> 8-35
HDM0210 HPSS/DMAP main is up 8-35
HDM0211 HPSS/DMAP event dispatcher for %s is up, pid = %d 8-35
HDM0212 HPSS/DMAP %s event handler is up, pid = %d 8-35
HDM0213 HPSS/DMAP TCP handler is up, pid = %d 8-35
HDM0215 HPSS/DMAP destroy process is up, pid = %d 8-36
HDM0220 Started event dispatcher for %s, pid %d 8-36
HDM0221 Started event handler, pid %d 8-36
HDM0222 Started TCP handler, pid %d 8-36
HDM0223 Started migration handler for %s, pid %d 8-36
HDM0224 Started purge handler for %s, pid %d 8-36
HDM0225 Started destroy process, pid %d 8-37
HDM0230 Cannot start event dispatcher executable %s 8-37
HDM0231 Cannot start event handler executable %s 8-37
HDM0232 Cannot start TCP handler executable %s 8-37
HDM0233 Cannot start migration handler executable %s 8-37
HDM0234 Cannot start purge handler executable %s 8-37
HDM0235 Cannot start destroy handler executable %s 8-37
HDM0236 Cannot restart executable %s” 8-38
HDM0240 Event dispatcher died 8-38
HDM0241 Event handler died 8-38
HDM0242 TCP handler died 8-38
HDM0243 Migration handler died 8-38
HDM0244 Purge handler died 8-38
HDM0245 Destroy handler died 8-39
HDM0250 No fileset seems to be mounted on %s 8-39
HDM0251 Wrong fileset (%d, %d) mounted at %s; should be (%d, %d) 8-39
HDM0252 A mount point for fileset %s is undefined 8-39
HDM0253 Bad mount point name %s for fileset %s 8-39
HDM0254 Backdoor access denied on mirrored fileset %s 8-40
HDM0255 Backdoor access permitted on backup fileset %s 8-40
HDM0256 The hdm is restarting, remaining = %d 8-40
HDM0257 No more automatic restarts remaining 8-40
HDM0259 Trying alternate bitfile id 8-40
HDM0260 Resetting bitfile id 8-40
HDM0261 One or more messages lost 8-41

HDM0262 Cannot start hdm because it is already running 8-41
HDM0263 The hdm is starting 8-41
HDM0264 DCE credentials have expired or are for the wrong account %s 8-41
HDM0265 Command error: %s 8-41
HDM0266 Configuring file system %s 8-41
HDM0267 Some filesets may not be configured. Use 'fts lshead' to find and delete problem filesets; then restart the hdm. 8-42
HDM0268 Cannot get user's authorization info. Probably in too many groups. Size=%d. 8-42
HDM0269 Zero encryption key found; gateway authentication is disabled. 8-42
HDM0270 Timestamp is out of bounds 8-42
HDM0271 Cannot find fileset in tables 8-42
HDM0272 DM handles, NS handles, or host addresses don”t match 8-43
HDM0273 Verifier mismatch; the encryption key may be wrong 8-43
HDM0275 Version %d filesys.dat found, will be converted to version %d 8-43
HDM0276 Warning: permissive mount is being used; DFS and HPSS could get out of sync 8-43
HDM0301 Permchange, sid %d, token %d, pairing = %d 8-44
HDM0302 Create %s, sid %d, token %d, pairing = %d 8-44
HDM0303 Junction %s on %s, sid %d, token %d, pairing = %d 8-44
HDM0304 Link %s, sid %d, token %d, pairing = %d 8-44
HDM0305 Remove %s, sid %d, token %d, pairing = %d 8-44
HDM0306 Rename %s -> %s, sid %d, token %d, pairing = %d 8-44
HDM0307 Symlink %s -> %s, sid %d, token %d, pairing = %d 8-44
HDM0308 Nospace, sid %d, token %d, pairing = %d 8-45
HDM0309 Preunmount, sid %d, token %d, pairing = %d 8-45
HDM0310 Syncdestroy, sid %d, token %d, pairing = %d 8-45
HDM0311 Unmount, RetCode = %d, sid %d, token %d, pairing = %d 8-45
HDM0312 Read, sid %d, token %d, pairing = %d 8-45
HDM0313 Write, sid %d, token %d, pairing = %d 8-45
HDM0314 Trunc, sid %d, token %d, pairing = %d 8-46
HDM0331 Syncpost permchange, sid %d, token %d, pairing = %d 8-46
HDM0332 Syncpost create %s, sid %d, token %d, pairing = %d 8-46
HDM0333 Syncpost createft, sid %d, token %d, pairing = %d 8-46
HDM0334 Syncpost junction %s, sid %d, token %d, pairing = %d 8-46
HDM0335 Syncpost link %s, sid %d, token %d, pairing = %d 8-46
HDM0336 Syncpost remove %s, sid %d, token %d, pairing = %d 8-47
HDM0337 Syncpost rename %s -> %s, sid %d, token %d, pairing = %d 8-47
HDM0338 Syncpost symlink %s -> %s, sid %d, token %d, pairing = %d 8-47
HDM0340 Gateway could not receive result 8-47
HDM0341 Gateway could not create object 8-47
HDM0342 Gateway could not remove object 8-47
HDM0343 Gateway could not create junction 8-48
HDM0344 Gateway could not rename object 8-48
HDM0345 Gateway could not create symlink 8-48
HDM0346 Gateway could not create link 8-48
HDM0347 Gateway could not change permissions 8-48
HDM0349 Gateway could not destroy file 8-48
HDM0351 Recover permchange, pairing = %d 8-49
HDM0352 Recover create %s, pairing = %d 8-49
HDM0353 Recover junction %s, pairing = %d 8-49
HDM0354 Recover link %s->%s, pairing = %d 8-49
HDM0355 Recover remove %s, pairing = %d 8-49
HDM0356 Recover rename %s -> %s, pairing = %d 8-49
HDM0357 Recover symlink %s -> %s, pairing = %d 8-50
HDM0441 Dmapi could not create object 8-50
HDM0442 Dmapi could not remove object 8-50
HDM0443 Dmapi could not create junction 8-50
HDM0444 Dmapi could not rename object 8-50
HDM0445 Dmapi could not create symlink 8-50
HDM0446 Dmapi could not create link 8-51
HDM0447 Dmapi could not change permissions 8-51
HDM0448 Dmapi could not create fileset 8-51
HDM0449 Dmapi could not destroy fileset 8-51
HDM0500 Responding %s: sid %d, token %d, errno %d 8-51
HDM0502 Got event: sid %d, token %d 8-51
HDM0503 Released rights: sid %d, token %d 8-52
HDM0504 Requested rights: sid %d, token %d 8-52
HDM0600 Gateway server failed to get file attributes 8-52
HDM0601 Gateway server failed converting path to DM handle 8-52
HDM0602 Gateway server failed setting DM file attributes 8-52
HDM0603 Gateway server failed getting DM file attributes 8-52
HDM0604 Gateway server failed creating user event 8-53
HDM0605 Gateway server failed getting all DM attributes 8-53
HDM0607 Error converting handle to path 8-53
HDM0608 Error setting Gateway Server identity 8-53
HDM0609 Error from hdm_PurgeFile 8-53
HDM0610 Error from hdm_MigrateFile 8-53
HDM0612 Maximum number (%d) of TCP handlers exceeded 8-54
HDM0613 Error getting TCP server socket peer 8-54
HDM0614 Could not get hostname for %s 8-54
HDM0615 Gateway server failed setting DM file regions 8-54
HDM0616 TCP server handler error in processing requests 8-54
HDM0617 Error getting DMAP host entry 8-54
HDM0618 Error creating DMAP TCP Server socket 8-55
HDM0619 Error binding to DMAP TCP Server port 8-55
HDM0620 Error listening on DMAP TCP Server socket 8-55
HDM0621 Error from dm_getall_sessions 8-55
HDM0622 Error from dm_query_session 8-55
HDM0623 Error getting tokens for session %s 8-55
HDM0624 Tcp Server Process child %d died 8-56
HDM0625 Tcp Server could not get its groupslist 8-56
HDM0626 Error creating DFSId server thread 8-56
HDM0628 Filesystem not set up for mirrored options 8-56
HDM0629 Invalid fileset identifier 8-56
HDM0630 File is of wrong type for operation 8-56
HDM0631 Invalid size 8-57
HDM0633 Error from creat syscall 8-57
HDM0634 Error from close syscall 8-57
HDM0635 Error from open syscall 8-57
HDM0636 Error from llseek syscall 8-57
HDM0637 Error from lseek syscall 8-57
HDM0638 Error from mkdir syscall 8-57

HDM0639 Error from fclear syscall 8-58
HDM0640 Error from fcntl syscall 8-58
HDM0641 Error from truncate syscall 8-58
HDM0642 Error from fturncate syscall 8-58
HDM0643 Error from link syscall 8-58
HDM0644 Error from stat syscall 8-58
HDM0645 Error from unlink syscall 8-58
HDM0646 Error from rmdir syscall 8-59
HDM0647 Error from rename syscall 8-59
HDM0648 Error from symlink syscall 8-59
HDM0649 Error from chown syscall 8-59
HDM0650 Error from chmod syscall 8-59
HDM0652 Bytes cleared not equal to bytes requested 8-59
HDM0653 Error from accept syscall 8-59
HDM0654 Error from fork syscall 8-60
HDM0655 Only migrating/purging whole files 8-60
HDM0657 Error in AFS_SYSCALL 8-60
HDM0658 Gateway server entering function 8-60
HDM0659 Gateway server exiting function 8-60
HDM0660 Starting TCP handler, count = %d 8-60
HDM0661 Cleaning up session %s id %d 8-61
HDM0662 Cleaning up session %d token %d 8-61
HDM0663 Tcp Server process %d resuming 8-61
HDM0664 Tcp Server process %d suspending 8-61
HDM0665 Tcp Server process %d shutting down 8-61
HDM0666 Tcp Server %d received signal %d 8-61
HDM0667 Error getting DFS token 8-62
HDM0668 Error freeing DFS token. 8-62
HDM0670 Server must have network authentication 8-62
HDM0671 Error setting protocol: %s 8-62
HDM0672 Error converting uuid: %s 8-62
HDM0673 Error importing context %s 8-62
HDM0674 Bad caller authn (%d), authz (%d), protect (%d) 8-62
HDM0675 Error inquiring caller auth info: %s 8-63
HDM0677 Error locking mutex 8-63
HDM0678 Error unlocking mutex 8-63
HDM0679 Error getting current context: %s 8-63
HDM0680 Error purging context: %s 8-63
HDM0681 Error setting context: %s 8-63
HDM0682 Error getting auth initiator: %s 8-63
HDM0683 Error geting pac data: %s 8-64
HDM0684 Error becoming caller: %s 8-64
HDM0685 Error getting restrictions: %s 8-64
HDM0686 Error getting context expiration: %s 8-64
HDM0687 Error allocating memory 8-64
HDM0688 Error initializing mutex: %s 8-64
HDM0689 Error from server listen: %s 8-64
HDM0690 Error registering auth services: %s 8-65
HDM0691 Error registering service: %s 8-65
HDM0692 Error inquiring bindings: %s 8-65
HDM0693 Error registering server: %s 8-65
HDM0694 Error setting up identity: %s 8-65
HDM0695 Error geting server key: %s 8-65
HDM0696 Error validating server id: %s 8-65
HDM0697 Error freeing server key: %s 8-66
HDM0698 Error creating DCE thread: %s 8-66
HDM0699 Error refreshing identity: %s 8-66
HDM0700 Error from utimes syscall 8-66
HDM0703 Error setting socket option 8-66
HDM0705 Error opening PAG recovery file %s 8-66
HDM0706 Error writing PAG recovery file %s 8-66
HDM0707 Error exporting login context: %s 8-67
HDM0708 Error parsing security config file: %s 8-67
HDM0710 Gateway server failed getting DM file regions 8-67
HDM0711 Gateway server failed getting rights 8-67
HDM0712 Gateway server failed releasing rights 8-67
HDM0713 Gateway server failed setting DM attribute 8-67
HDM0714 Gateway server failed removing dm attribute 8-67
HDM0800 Error %d returned from sec_rgy id_to_num converting a local user UUID. 8-68
HDM0801 Error %d returned from sec_rgy id_to_num converting a local group UUID. 8-68
HDM0802 Error %d from sec_rgy id_to_num on %d th local group in function %s. 8-68
HDM0803 HPSS Creds only handles 16 groups. In %s and there are %d DCE groups. 8-68
HDM0804 Error %d returned from sec_rgy id_to_num converting a remote user UUID. 8-68
HDM0805 Error %d returned from sec_rgy id_to_num converting remote group UUID. 8-68
HDM0806 Error %d from sec_rgy id_to_num on %d th remote group in function %s. 8-68
HDM0807 The DFS auth structure indicates that this user is not authenticated. 8-69
HDM0808 About to overwrite memory in %s. In the %s entry case. 8-69
HDM0809 Error %d returned by local sec_rgy unix_num_to_id converting %s in %s. 8-69
HDM0810 Error %d returned by remote sec_rgy unix_num_to_id converting %s in %s. 8-69
HDM0811 Bad type %d for the ACL tag field in %s. 8-69
HDM0812 Error %d returned from sec_acl_FlattenAcl. 8-69
HDM0813 Error %d returned from sec_acl_ParseAcl. 8-69
HDM0814 Error %d returned by local sec_rgy id_to_unix_num converting %s in %s. 8-70
HDM0815 Error %d returned by remote sec_rgy id_to_unix_num converting %s in %s. 8-70
HDM0816 Error %d returned from GetCellId when called from %s. 8-70
HDM0817 Malloc in %s failed trying to get %s entry type. 8-70
HDM0818 Error %d returned from uuid_equal which was called from %s. 8-70
HDM0819 Id %d could not be found in CellMapTable. Search made in %s. 8-70
HDM0820 %s received SecRgyError %d when sec_rgy_site_open_query was called. 8-70
HDM0821 %s received SecRgyError %d when sec_rgy_site_get was called. 8-71
HDM0822 %s received SecError %d when sec_id_parse_name was called. 8-71
HDM0823 rpc_string_free returned error %d. 8-71
HDM0824 %s received SecRgyError %d when sec_rgy_pgo_get_next was called. 8-71
HDM0825 %s received SecRgyError %d when sec_rgy_attr_lookup was called. 8-71
HDM0826 %s received SecRgyError %d when sec_rgy_site_open was called. 8-71
HDM0827 Expected sec_rgy_no_more_entries but got error %d instead. 8-71
HDM0828 Error %d returned from GetRealmId. 8-72
HDM0829 Error %d returned from GetCellId. 8-72
HDM0830 Event handler received %d from InitACLCellMapping. 8-72
HSEC0001 SUBJECT: Peer user: <login name> peer uuid: <uuid> peer host: <host address> peer security

label: <#> 9-1
HSEC0002 End user: <login name> end userid: <uuid> end user host: <host address> end user security label <#> 9-1
HSEC0003 EVENT: AUTH 9-1
HSEC0004 EVENT: AUD_OPEN 9-1
HSEC0005 EVENT: CHMOD OBJECT: Version: <#> File: <file name> Handle: <name server object handle> File mode: <mode> File uid: <uid> File gid: <gid> File security label: <#> 9-2
HSEC0006 EVENT: CHOWN OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <mode> File uid : <uid> File gid: <gid> File security label: <#> 9-2
HSEC0007 EVENT: CREATE OBJECT: Version: %d File: %s Handle: %s File mode: %x File uid : %d File gid: %d File security label: %d" 8 " EVENT: LINK OBJECT: Version: %d From: 9-2
HSEC0008 EVENT: LINK OBJECT: Version: <#> From: <file name> Handle: <name server handle> To: <file name> Handle: <name server handle> Security Label: <#> 9-2
HSEC0009 EVENT: MKDIR OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <file mode> File uid: <uid> File gid: <gid> File security label: <#> 9-3
HSEC0010 EVENT: OPEN OBJECT: Version: <#> Handle: <name server handle> BitfileId: <bitfile id> Flags: <open flags> Access time: <time> Modify time: <time> 9-3
HSEC0011 EVENT: OPENDIR OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <mode> File uid: <id> File gid: <id> File security label: <#> 9-3
HSEC0012 EVENT: RENAME OBJECT: Version: <#> From: <file name> Handle: <name server handle> To: <file name> Handle: <name server handle> Security Label: <#> 9-3
HSEC0013 EVENT: RMDIR OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <mode> File uid : <id> File gid: <id> File security label: <#> 9-4
HSEC0014 EVENT: UNLINK OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <mode> File uid: <id> File gid: <id> File security label: <#> 9-4
HSEC0015 EVENT: UTIME OBJECT: Version: <#> Bitfile: <file name> Handle: <name server handle> BitfileId: <bitfile id> Flags : <0> Access time: <time> Modify time: <time> 9-4
HSEC0016 EVENT: ACL_SET OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <mode> File uid: <id> File gid: <id> File security label: <#> ACL: <access control list> 9-4
HSEC0017 EVENT: MAC_SET 9-4
HSEC0018 EVENT: PRIV_SET 9-5
HSEC0019 EVENT: CHDIR OBJECT: Version: <#> File: <file name> Handle: <name server handle> File mode: <mode> File uid : <id> File gid: <id> File security label: <#> 9-5
HSEC0020 EVENT: CHBFID OBJECT: Version: <#> File: <file name> Handle: <name server handle> BitfileId: <bitfile id> 9-5
HSEC0021 EVENT: BFSETATTRS OBJECT: Version: <#> Handle: <name server handle> BitfileId: <bitfile id> Flags: <open flags> Access time: <time> Modify time: <time> 9-5
HSEC0023 Error contacting DCE security registry 9-5
HSEC0024 Error contacting DCE acl manager 9-6
HSEC0025 HPSS security library not initialized 9-6
HSEC0026 HPSS security authentication error. Client protection level less than server minimum 9-6
HSEC0027 HPSS security authorization error. Client authorization service less than server minimum 9-6
HSEC0028 Invalid authentication service specified in server configuration table 9-6
HSEC0029 Invalid protection level specified in server configuration table 9-6
HSEC0030 Invalid authorization service specified in server configuration table 9-7
HSEC0031 DCE error 9-7
HSEC0032 User: <user name> has invalid account index in DCE registry 9-7
HSEC0033 User: <user name> default account index = <#> 9-7
HSEC0034 End user: <name> end userid: <id> end user host: <host address> end user security label <#> 9-7
HSEC0035 user:<user id>:<permissions> 9-8
HSEC0036 user:<user name>:<permissions> 9-8
HSEC0037 group:<group id>:<permissions> 9-8
HSEC0038 group:<group name>:<permissions> 9-8
HSEC0039 other:<id>:<permissions> 9-8
HSEC0040 account:<id>:<permissions> 9-8
HSEC0041 location:<id>:<permissions> 9-9
HSEC0042 deleted:<id>:<permissions> 9-9
HSEC0043 Unknown ACL type 9-9
HSEC0044 Trusted Cell Information 9-9

L

LCLI0113 Out of memory (object: <info>) 10-1
LCLI0114 Invalid connection state (<info>) 10-1
LCLI0115 Failed to initialize a pthread cond var (<info>) 10-1
LCLI0116 Failed to destroy a pthread cond var (<info>) 10-1
LCLI0118 Failed to broadcast on a cond var (<info>) 10-1
LCLI0120 Failed to initialize a pthread mutex (<mutex name>) 10-2
LCLI0121 Failed to destroy a pthread mutex (<info>) 10-2
LCLI0122 Failed to lock a pthread mutex (<info>) 10-2
LCLI0123 Failed to unlock a pthread mutex (<info>) 10-2
LCLI0125 Failed to setup a timed interval (<info>) 10-2
LCLI0142 Can’t free rpc string (<info>) 10-2
LCLI0143 Couldn’t locate a random LS, coding error (<info>) 10-3
LCLI0151 Failed to create mutex attributes (<info>) 10-3
LCLI0152 Failed to set non-recursive mutex attrs (<info>) 10-3
LCLI0300 Assertion Failed: <expression> 10-3
LCLI0403 Failed to open a DCE rpcgroup (<group name>) 10-3
LCLI0404 Failed to close a DCE rpcgroup (<info>) 10-3
LCLI0405 Failure trying to access an rpcgroup entry (<info>) 10-4
LCLI0407 Failed to perform timedwait on a cond var (<info>) 10-4
LCLI0416 A bad UUID was received (<info>) 10-4
LCLI0430 Failed to open a connection (<service>) 10-4
LCLI0431 Failed to get an rpc handle (<server, error

msg>) 10-4
LCLI0432 Can't find rpc service (<server, error msg>) 10-4
LCLI0447 Released bad connection (<server>) 10-5
LCLI0455 Failed to cleanup a bad connection (<info>) 10-5
LCLI0456 Exception caught during RPC (<info>) 10-5
LCLI0461 RPC group does not exist (<rpcgroup>) 10-5
LCLI0462 RPC group is configured improperly (<rpcgroup>) 10-5
LCLI0707 Entering: <function name> 10-5
LCLI0708 Leaving: <function name> 10-6
LCLI0900 Invalid LS Environment Variable (<info>) 10-6
LCLI0901 No LS Environment variable, default used (<info>) 10-6
LCLI0902 Server returned invalid cell name (<info>) 10-6
LCLI0903 Trouble contacting a location server (<rpcgroup name>) 10-6
LOG_0001 Logging Services shared memory could not be located 11-1
LOG_0002 Application Message Catalog open failed 11-1
LOG_0003 Master Message Catalog open failed 11-1
LOG_0004 Attach to Logging Services shared memory failed 11-1, 12-1
LOG_0005 Socket connect to Log Client failed 11-2
LOG_0006 Invalid value for environment variable HPSSLOG_SHMKEY 11-2, 12-1
LOG_0007 Initialization of a condition variable failed 11-2
LOG_0010 Number of bytes to be logged is too large 11-2
LOG_0011 Allocation of logging buffer failed 11-2, 13-1
LOG_0012 Semaphore acquire operation failed 11-2
LOG_0013 Semaphore release operation failed 11-3, 12-2
LOG_0014 Message not found in message catalog 11-3
LOG_0016 Logging policy not found—logging enabled for all types except TRACE 11-3
LOG_0017 Invalid severity level detected 11-3
LOG_0021 Wait on a condition variable failed 11-3
LOG_0022 Signal to wake a condition variable failed 11-3
LOG_0190 Initialization of a mutex failed. 11-4
LOG_0230 Invalid request message type received 11-4
LOG_0231 Invalid log record type received 11-4
LOG_0561 Setting of socket options failed 11-5
LOG_0590 Invalid log message type detected 11-5
LOGC0101 Error leaving connection to get Log Client attributes 12-2
LOGC0110 Error entering connection to set Log Client attributes 12-2
LOGC0111 Log Client reinitialization request received 12-3
LOGC0112 Error leaving connection to set Log Client attributes 12-3
LOGC0113 Attribute specified is not settable 12-3
LOGC0114 Security audit message failed 12-3
LOGC0120 Removal of Logging Services semaphore failed 12-3
LOGC0121 Removal of Logging Services shared memory failed 12-3
LOGC0122 Socket descriptor close failed 12-4
LOGC0123 Purge of login context failed 12-4
LOGC0124 Unregister of SSM interface failed - %s 12-4
LOGC0125 Unregister of connection manager interface failed - %s 12-4
LOGC0126 Close of SSM connection handle failed - %s 12-4, 12-13
LOGC0130 Socket create failed 12-4
LOGC0131 Host name could not be determined 11-4, 12-5
LOGC0140 XDR encoding erro 12-5
LOGC0150 Log Client terminating 12-5
LOGC0151 Lock of mutex failed 12-5
LOGC0160 HPSS server configuration file open failed - %s 12-5
LOGC0161 Log Client server configuration entry does not exist 12-5
LOGC0162 Log Client server configuration entry read failed 12-6
LOGC0163 Security initialization failed 12-6
LOGC0164 Initialization of authorization vector failed 12-6
LOGC0165 Addition of SSM server to authorization vector failed 12-6
LOGC0166 SSM server configuration entry does not exist 12-6
LOGC0167 SSM server configuration entry read failed 12-7
LOGC0168 HPSS server configuration file close failed 12-7
LOGC0169 Log Client configuration file open failed - %s 12-7
LOGC0170 Log Client configuration record not found 12-7
LOGC0171 Log Client configuration record read failed 12-7
LOGC0172 Log Client configuration file close failed 12-7
LOGC0173 Log Client options PRT_LOG/PRT_STDOUT are mutually exclusive - STDOUT disabled 12-8
LOGC0174 Connection preinitialization failed - %s 12-8
LOGC0175 Preregistration of Log Client SSM I/F failed - %s 12-8
LOGC0176 Connection initialization failed 12-8
LOGC0177 Log Daemon server configuration entry does not exist 12-8
LOGC0178 Log Daemon server configuration entry read failed 12-9
LOGC0180 Log policy configuration file open failed - %s 12-9
LOGC0181 Log policy configuration record not found 12-9
LOGC0182 Log policy configuration record read failed 12-9
LOGC0183 Log policy configuration file close failed 12-9
LOGC0190 Initialization of a mutex failed 12-10
LOGC0191 Creation of signal handling thread failed 12-10
LOGC0192 Fatal initialization error: %s 12-10
LOGC0193 Creation of SSM processing thread failed 12-10
LOGC0194 Shared memory allocation for Logging Services failed 12-10
LOGC0195 Semaphore id could not be created 12-11
LOGC0196 Semaphore value could not be set 12-11
LOGC0197 Invalid Log Client pathname 12-11
LOGC0200 Local log file open failed 12-11
LOGC0201 Log Client starting 12-11
LOGC0202 Creation of Log Client message queue failed 12-11
LOGC0203 Connection to Log Daemon failed—retrying 12-11
LOGC0204 Connection to Log Daemon failed with severe error 12-12
LOGC0205 Connection to Log Daemon failed -- retries exhausted 12-12
LOGC0206 Log Client startup complete 12-12
LOGC0207 Log Client shutdown request received 12-12
LOGC0208 Log Client reinitialization failed 12-12
LOGC0209 Receipt of log message failed 12-12
LOGC0210 Alarm notification to SSM failed 12-12
LOGC0211 Event notification to SSM failed 12-13
LOGC0212 Local log file lseek failed 12-13
LOGC0220 SSM notify for server attribute changes failed 12-13

LOGC0230 Invalid request message type received 12-14
LOGC0232 Invalid log record type received 12-14
LOGC0240 Reconnect to Log Daemon failed—retrying 12-14
LOGC0241 Reconnect to Log Daemon failed with severe error 12-14
LOGC0242 Socket write failed 12-14
LOGC0243 Socket write failed—incorrect byte count detected 11-4, 12-14
LOGC0250 Call to block signals failed 6-1, 12-15
LOGC0251 Suspend of signal handling thread failed 12-15
LOGC0261 Initialization of RPC handle failed 12-15
LOGC0270 Creation of SSM binding handle thread failed 12-15
LOGC0271 Unlock of mutex failed 12-16
LOGC0280 Write to syslog failed 12-16
LOGC0281 Write to local log file failed 12-16
LOGC0561 Setting of socket options failed 12-17
LOGD0016 Invalid severity level detected 13-1
LOGD0113 Attribute specified is not settable 13-1
LOGD0114 Security audit message failed 13-1
LOGD0122 Socket descriptor close failed 13-2
LOGD0123 Purge of login context failed 13-2
LOGD0124 Unregister of SSM interface failed -%s 13-2
LOGD0125 Unregister of connection manager interface failed - %s 13-2
LOGD0126 Close of SSM connection handle failed - %s 13-2
LOGD0130 Socket create failed 13-2
LOGD0131 Host name could not be determined 13-3
LOGD0151 Lock of mutex failed 13-3
LOGD0160 HPSS server configuration file open failed %s 13-3
LOGD0163 Security initialization failed 13-3
LOGD0164 Initialization of authorization vector failed 13-3
LOGD0165 Addition of SSM server to authorization vector failed 13-4
LOGD0166 SSM server configuration entry does not exist 13-4
LOGD0167 SSM server configuration entry read failed 13-4
LOGD0168 HPSS server configuration file close failed 13-4
LOGD0174 Connection preinitialization failed - %s 13-4
LOGD0176 Connection initialization failed 13-5
LOGD0190 Initialization of a mutex failed 13-5
LOGD0191 Creation of signal handling thread failed 13-5
LOGD0192 Fatal initialization error: %s 13-5
LOGD0193 Creation of SSM processing thread failed 13-5
LOGD0220 SSM notify for server attribute changes failed 13-6
LOGD0250 Call to block signals failed 13-6
LOGD0251 Suspend of signal handling thread failed 13-6
LOGD0260 Registration of SSM I/F failed - %s 13-7
LOGD0261 Initialization of RPC handle failed 13-7
LOGD0262 RPC listen failed - %s 13-7
LOGD0270 Creation of SSM binding handle thread failed 13-7
LOGD0271 Unlock of mutex failed 13-7
LOGD0400 Initialization of Logging Services failed 13-7
LOGD0401 Invalid argument count specified 13-8
LOGD0402 Log Daemon shared memory could not be located 13-8
LOGD0403 Attach to Log Daemon shared memory failed 13-8
LOGD0404 Open of log file being archived failed 13-8
LOGD0405 Read of log file being archived failed 13-8
LOGD0406 lseek for log file being archived failed 13-8
LOGD0407 Write of log archive failed 13-9
LOGD0408 Close of log file being archived failed 13-9
LOGD0409 Open of log archive failed 13-9
LOGD0410 Write of log file being archived failed 13-9
LOGD0411 Close of log archive failed 13-9
LOGD0413 Detach of Log Daemon shared memory failed 13-9
LOGD0414 Log archive process terminated with error 13-10
LOGD0415 Creation of archive directory failed 13-10
LOGD0416 Setting of file creation mask failed 13-10
LOGD0420 Error entering connection to get Log Daemon attributes 13-10
LOGD0421 Error leaving connection to get Log Daemon attributes 13-10
LOGD0430 Error entering connection to set Log Daemon attributes 13-11
LOGD0431 Error leaving connection to set Log Daemon attributes 13-11
LOGD0440 Error entering connection to get log file attributes 13-11
LOGD0441 Invalid log file name specified in get attributes request 13-11
LOGD0442 Error leaving connection to get log file attributes 13-11
LOGD0450 Error entering connection to set log file attributes 13-12
LOGD0451 Invalid log file name specified in set attributes structure 13-12
LOGD0452 Error leaving connection to set log file attributes 13-12
LOGD0460 Invalid current log value detected 13-12
LOGD0461 Execution of archival program failed 13-12
LOGD0462 Creation of archival program failed 13-12
LOGD0471 Removal of Log Daemon shared memory failed 13-13
LOGD0480 Log Daemon terminating 13-13
LOGD0490 Log Daemon starting 13-13
LOGD0491 Invalid Log Daemon pathname 13-13
LOGD0492 Change to log directory failed 13-13
LOGD0493 Socket bind failed - Log Daemon may already be executing 13-14
LOGD0494 Socket listen failed 13-14
LOGD0495 Log Daemon startup complete 13-14
LOGD0500 Preregistration of Log Daemon SSM I/F failed - %s 13-14
LOGD0501 Log Daemon server configuration entry does not exist 13-14
LOGD0502 Log Daemon server configuration entry read failed 13-15
LOGD0503 Log Daemon configuration file open failed - %s 13-15
LOGD0504 Log Daemon configuration record not found 13-15
LOGD0505 Log Daemon configuration record read failed 13-15
LOGD0506 Log Daemon configuration file close failed 13-15
LOGD0507 HPNS server configuration entry does not exist 13-15
LOGD0515 Log file lseek failed 13-15
LOGD0516 Log file write failed 13-16
LOGD0520 Logfile02 stat failed 13-16
LOGD0521 Logfile inconsistency—logfile02 exists but not logfile01 13-16

LOGD0522 Logfile01 stat failed 13-16
LOGD0523 Logfile inconsistency—logfile01 exists but not logfile02 13-16
LOGD0524 Logfile01 open failed 13-16
LOGD0525 Logfile02 open failed 13-17
LOGD0526 One or more log files is invalid 13-17
LOGD0527 Log file inconsistency—both current 13-17
LOGD0528 Logfile inconsistency—neither current 13-17
LOGD0529 Logfile inconsistency—one or more invalid 13-17
LOGD0530 Logfile02 close failed 13-17
LOGD0531 logfile01 lseek failed 13-18
LOGD0532 logfile01 close failed 13-18
LOGD0533 logfile02 lseek failed 13-18
LOGD0534 Invalid log file identifier 6-2, 13-18
LOGD0540 Log file read failed 13-18
LOGD0550 Shared memory allocation for Log Daemon failed 13-18
LOGD0551 Log Daemon initialization failed 13-19
LOGD0552 Log Daemon shutdown request received 13-19
LOGD0553 Log Daemon reinitialization request received 13-19
LOGD0554 Log Daemon reinitialization failed 13-19
LOGD0555 Log Client connect from-> 13-19
LOGD0556 Client connection refused—maximum connections reached 12-16, 13-19
LOGD0557 Socket accept failed 12-16, 13-20
LOGD0558 Log Client disconnect from-> 13-20
LOGD0559 Non-severe error—continuing 12-17, 13-20
LOGD0560 Select for incoming messages failed 13-20
LOGD0561 Setting of socket options failed 13-20
LOGD0570 SSM notify for log file attribute changes failed 13-20
LOGD0580 Client connection closed 12-17, 13-21
LOGD0581 Socket read failed 12-17, 13-21
LOGD0582 Closing client connection due to bad log message 12-17, 13-21
LOGD0583 XDR decode error 13-21
LOGD0584 Invalid log record type detected 13-21
LOGD0590 Invalid log message type detected 13-22
LOGD0600 Switching logfiles—current log file has filled 13-22
LOGD0601 Error switching log files—invalid current log value 13-22
LOGD0602 Log file open failed 13-22
LOGD0603 Invalid log file detected on switch 13-22
LOGD0604 Error switching log files—secondary logfile not archived 13-23
LOGD0605 Error switching log files—secondary marked as current 13-23
LOGD0606 Log file truncate error 13-23
LOGD0607 Log file close failed 13-23
LSRV0100 Internal Error (<info>) 14-1
LSRV0101 Failed to initialize signals (<info>) 14-1
LSRV0102 Failed to pre-initialize connections (<info>) 14-1
LSRV0103 Failed to pre-register interface (<interface>) 14-1
LSRV0104 Failed to initialize OFD manager (<info>) 14-1
LSRV0105 Failed to initialize configuration (<info>) 14-2
LSRV0106 Failed to register interfaces (<info>) 14-2
LSRV0107 Failed to register interface (<interface>) 14-2
LSRV0108 Failed to initialize connections (<info>) 14-2
LSRV0109 Failed to initialize Security service (<info>) 14-2
LSRV0110 Failed to initialize Authorization Vector (<info>) 14-2
LSRV0111 Fatal error during read lock (<lock name>) 14-3
LSRV0112 Fatal error during write lock (<lock name>) 14-3
LSRV0113 Out of memory (object: <info>) 14-3
LSRV0114 Invalid connection state (<info>) 14-3
LSRV0115 Failed to initialize a pthread cond var (<info>) 14-3
LSRV0116 Failed to destroy a pthread cond var (<info>) 14-3
LSRV0117 Failed to signal a pthread cond variable (<info>) 14-4
LSRV0118 Failed to broadcast on a cond var (<info>) 14-4
LSRV0119 Failure waiting on a timed cond var (<info>) 14-4
LSRV0120 Failed to initialize a pthread mutex (<mutex name>) 14-4
LSRV0121 Failed to destroy a pthread mutex (<info>) 14-4
LSRV0122 Failed to lock a pthread mutex (<info>) 14-4
LSRV0123 Failed to unlock a pthread mutex (<info>) 14-5
LSRV0124 Failed to create a new thread (<info>) 14-5
LSRV0125 Failed to setup a timed interval (<info>) 14-5
LSRV0126 Failed to join with a thread (<info>) 14-5
LSRV0127 Failed to detach a thread (<info>) 14-5
LSRV0128 Invalid Request control block (<info>) 14-5
LSRV0129 Invalid Request Type (<info>) 14-6
LSRV0130 Invalid Lock Pointer (<info>) 14-6
LSRV0131 Invalid HPSS Installation UUID (<info>) 14-6
LSRV0132 Invalid UUID in cache (<info>) 14-6
LSRV0133 Failed to initialize location map (<info>) 14-6
LSRV0134 Failed to read locmaps at startup (<info>) 14-6
LSRV0135 Failed to read configuration info (<info>) 14-7
LSRV0136 Can’t determine local cell name (<info>) 14-7
LSRV0137 Failed to read policy info (<info>) 14-7
LSRV0138 Can’t add server to rpcgroup (<info>) 14-7
LSRV0139 Inconsistent LocMap Table (<info>) 14-7
LSRV0140 Server listen routine failed (<info>) 14-8
LSRV0141 Can’t destroy site table (<info>) 14-8
LSRV0142 Can’t free rpc string (<info>) 14-8
LSRV0143 Couldn’t locate a random LS, coding error (<info>) 14-8
LSRV0144 Invalid HPSSId for this site (<info>) 14-8
LSRV0145 HPSSId for this site is NIL (<info>) 14-8
LSRV0146 Bad uuid in authorization table (<info>) 14-9
LSRV0147 Failed to read BFS config (<info>) 14-9
LSRV0148 Long outstanding request. Reinit Failed (<info>) 14-9
LSRV0149 Can’t release auth vector. Reinit Failed (<info>) 14-9
LSRV0150 Exiting due to bad Root NS configuration (<info>) 14-9
LSRV0151 Failed to create mutex attributes (<info>) 14-9
LSRV0152 Failed to set non-recursive mutex attrs (<info>) 14-10
LSRV0153 Failed to initialize server (<info>) 14-10
LSRV0154 Failed to set thread specific data key (<info>) 14-10
LSRV0155 Local cell not in trusted cell table (<info>) 14-10
LSRV0158 Can’t initialize server state service (<info>) 14-10
LSRV0160 Invalid LS Policy Group Name (<group name>) 14-10
LSRV0161 Invalid Server Name format (<info>) 14-11
LSRV0162 Invalid Root NS environment variable format (<info>) 14-11
LSRV0163 SERVER ABORTING DUE TO PREVIOUS FATAL ERROR (<info>) 14-11
LSRV0164 Can’t destroy COS cache (<info>) 14-11
LSRV0165 Can’t destroy SClass cache (<info>) 14-11

LSRV0166 Can’t destroy Hierarchy cache (<info>) 14-11
LSRV0300 Assertion Failed: <expression> 14-12
LSRV0301 Exception caught during request (<info>) 14-12
LSRV0302 A lock timed out (<lock name>) 14-12
LSRV0303 Invalid Server UUID in Config MData (<info>) 14-12
LSRV0304 Nil Server UUID in Config Metadata (<info>) 14-12
LSRV0305 Bad UUID returned from remote LS server (<info>) 14-12
LSRV0306 Can’t remove LS from rpcgroup (<info>) 14-13
LSRV0307 Invalid Server Path in Config MData (<info>) 14-13
LSRV0308 Bad server name format during remove (<info>) 14-13
LSRV0309 Internal Error: Determine COS failed (<info>) 14-13
LSRV0310 Inconsistent hash of remote map (<info>) 14-13
LSRV0326 Having trouble reading local maps (<info>) 14-14
LSRV0327 Reading local maps problem cleared (<info>) 14-14
LSRV0328 Server is under heavy load (<info>) 14-14
LSRV0329 Cleared heavy load condition (<info>) 14-14
LSRV0401 Can’t get a connection binding handle (<server>) 14-14
LSRV0402 Can’t open a connection (<server>) 14-14
LSRV0403 Failed to open a DCE rpcgroup (<group name>) 14-15
LSRV0404 Failed to close a DCE rpcgroup (<info>) 14-15
LSRV0405 Failure trying to access an rpcgroup entry (<info>) 14-15
LSRV0406 Bad connection context (<info>) 14-15
LSRV0407 Failed to perform timedwait on a cond var (<info>) 14-15
LSRV0408 Failed to set up a timed interval (<info>) 14-15
LSRV0409 Trouble connecting to SSM (<info>) 14-16
LSRV0410 Trouble getting BFS COS stats (<server>) 14-16
LSRV0411 No CosBfs threads could be created (<info>) 14-16
LSRV0412 Failed to create a background thread (<info>) 14-16
LSRV0413 Error from a background CosBfs thread (<info>) 14-16
LSRV0414 Could not leave a request connection (<info>) 14-17
LSRV0415 Found a NULL Server Name in Config Metadata (<info>) 14-17
LSRV0416 A bad UUID was received (<info>) 14-17
LSRV0417 Failed to open a metadata file (<file name>) 14-17
LSRV0418 Failed to close a metadata file (<file name>) 14-17
LSRV0419 Can’t read location maps from metadata (<info>) 14-18
LSRV0420 Can’t get maps from remote location server (<info>) 14-18
LSRV0421 Cleared get maps problem with remote LS (<info>) 14-18
LSRV0422 Too many Root NSs in config metadata (<info>) 14-18
LSRV0423 No local Root NS found in config metadata (<info>) 14-18
LSRV0424 Can’t create any background map threads (<info>) 14-19
LSRV0425 A background map thread returned an error (<info>) 14-19
LSRV0426 Can’t unregister interface (<interface>) 14-19
LSRV0427 Call to sigwait() failed (<info>) 14-19
LSRV0428 Unknown signal ignored (<info>) 14-19
LSRV0429 Site still in use, will retry removal (<info>) 14-19
LSRV0430 Failed to open a connection (<service>) 14-20
LSRV0431 Failed to get an rpc handle (<server, error msg>) 14-20
LSRV0432 Can’t find rpc service (<server, error msg>) 14-20
LSRV0434 Remote LS returned invalid CosBfs info (<remote rpcgroup>) 14-20
LSRV0435 Invalid Admin State received from SSM (<info>) 14-20
LSRV0436 Can’t read site metadata file (<encina error message>) 14-20
LSRV0437 Can’t insert LocMap. Bad server UUID. (<server>) 14-21
LSRV0438 Can’t insert LocMap. Bad HPSS id. (<server>) 14-21
LSRV0439 Trouble closing connection (<info>) 14-21
LSRV0440 Trouble freeing TRPC binding (<info>) 14-21
LSRV0441 Trouble freeing RPC binding (<info>) 14-21
LSRV0442 Background LocMap update timed out (<info>) 14-22
LSRV0443 Background CosBfs update timed out (<info>) 14-22
LSRV0444 An invalid site has been configured (site <sitename>) 14-22
LSRV0445 Couldn’t forward a request (<remote rpcgroup>) 14-22
LSRV0446 Re-established communication to <server> 14-22
LSRV0447 Released bad connection (<server>) 14-23
LSRV0448 Cleared previous LocMap timeout problem (<info>) 14-23
LSRV0449 Locmap metadata inconsistency cleared (<info>) 14-23
LSRV0450 Cleared Root NS metadata inconsistency (<info>) 14-23
LSRV0451 Cleared Site table problem (<info>) 14-23
LSRV0452 Local site does not match LS Policy (<info>) 14-23
LSRV0453 One or more BFSs are down since startup (<info>) 14-24
LSRV0454 Cleared startup BFS comm problem (<info>) 14-24
LSRV0455 Failed to cleanup a bad connection (<info>) 14-24
LSRV0456 Exception caught during RPC (<info>) 14-24
LSRV0457 Can’t get a server binding handle (<server>) 14-24
LSRV0458 Can’t construct a TRPC binding (<encina message>) 14-25
LSRV0459 Can’t copy a TRPC binding (<encina message>) 14-25
LSRV0460 BFS is ignorant of a COS. Try recycling <BFS server name> 14-25
LSRV0461 RPC group does not exist (<rpcgroup>) 14-25
LSRV0462 RPC group is configured improperly (<rpcgroup>) 14-25
LSRV0463 Can’t load COS metadata cache. (Check path: <CDS path>) 14-26
LSRV0464 Cleared metadata cache load problem 14-26
LSRV0465 One or more remote LSs are down since startup (<info>) 14-26
LSRV0466 Cleared startup remote LS comm problem (<info>) 14-26

LSRV0467 Can't load SClass cache. (Check path: <CDS path>) 14-26
LSRV0468 Can't load Hierarchy cache. (Check path: <CDS path>) 14-27
LSRV0469 Bad authorization service in binding (<info>) 14-27
LSRV0470 No remote maps returned (<info>) 14-27
LSRV0501 Initializing Location Server (<info>) 14-27
LSRV0502 Location Server is ready (<info>) 14-27
LSRV0503 Server reinitialization started (<info>) 14-28
LSRV0504 Server reinitialization complete (<info>) 14-28
LSRV0505 Server Halting quickly (<info>) 14-28
LSRV0506 Starting slow shutdown (<info>) 14-28
LSRV0507 Server Shutdown Complete (<info>) 14-28
LSRV0600 Entering API: <API name> 14-28
LSRV0601 Leaving API: <API name> 14-28
LSRV0700 Reading Remote Maps (<rpcgroup name>) 14-29
LSRV0701 New BFS Connection (<bfs>) 14-29
LSRV0702 Removing old BFS connection (<bfs>) 14-29
LSRV0703 New Remote LS Connection (<rpcgroup name>) 14-29
LSRV0705 Removing <site name> from site table 14-29
LSRV0707 Entering: <function name> 14-29
LSRV0708 Leaving: <function name> 14-30
LSRV0709 CosBfs Information: <action> 14-30
LSRV0710 LocMap Information: <action> 14-30
LSRV0711 AuthzTable Cleanup (<deleted>, <remaining>) 14-30
LSRV0712 Bad request binding received (<info>) 14-30
LSRV0713 Bad authentication level in request binding (<info>) 14-30
LSRV0714 Can't get principal name from registry (<info>) 14-31
LSRV0715 Client interface is ready (<info>) 14-31
LSRV0716 Server watch thread is done (<info>) 14-31

M

MMGR0001 Database inoperable due to unspecified SFS error condition 15-1
MMGR0002 Metadata SFS advisory: <Encina SFS text> 15-1
MMON0001 Administrative shutdown requested 16-1
MMON0002 Can't create thread, call to pthread_create failed 16-1
MMON0003 Metadata Monitor has insufficient DCE authority to query SFS 16-1
MMON0004 SFS is not configured with any available space 16-1
MMON0005 <Metadata Monitor server name> initialization completed 16-2
MMON0006 <Metadata Monitor server name> is initializing 16-2
MMON0007 <Metadata Monitor server name> is reinitializing 16-2
MMON0008 <Metadata Monitor server name> is terminating 16-2
MMON0009 SFS error: <Encina error text> 16-2
MMON0010 Unable to initialize condition variable 16-2
MMON0011 Unable to initialize mutexes 16-3
MMON0012 Attempt to lock mutex failed 16-3
MMON0013 Unable to open detailed config SFS file: <Encina error text> 16-3
MMON0014 Unable to open server config SFS file: <Encina error text> 16-3
MMON0015 Unable to read detailed config metadata: <Encina error text> 16-3
MMON0016 Unable to read HPSS server config metadata: <Encina error text> 16-4
MMON0017 Unable to register service: <DCE error text> 16-4
MMON0019 trdce_ServerListen error: <DCE error text> 16-4
MMON0020 Unable to read SSM server config metadata: <Encina error text> 16-4
MMON0021 Unable to preregister service: <DCE error text> 16-4
MMON0022 Unable to initialize security 16-5
MMON0023 Unable to initialize authorization vector 16-5
MMON0024 Bad connection handle received from SSM 16-5
MMON0025 Unable to pre-initialize connections: <DCE error text> 16-5
MMON0026 Unable to initialize connections 16-5
MMON0027 Unable to open connection 16-6
MMON0028 Fatal initialization error: <DEC error text> 16-6
MMON0029 SFS server <SFS server name> is not running 16-6
MMON0030 SFS volume <SFS server name>/<SFS volume> is <number> % full 16-6
MON0018 Attempt to unlock mutex failed 16-4
MOVR0001 async read operation (aio_read) failed 17-1
MOVR0002 async write operation (aio_write) failed 17-1
MOVR0003 Device ID <device ID> out of range 17-1
MOVR0004 Device <device ID> not configured 17-1
MOVR0005 Invalid SelectionFlags <specified value> 17-1
MOVR0006 Change of unsettable dev attr,SelFlags = <specified value> 17-2
MOVR0007 Invalid device attribute value: attr <attribute ID>, value <specified value> 17-2
MOVR0008 Bad request specific info type: subfunc <sub function>, type <specified type> 17-2
MOVR0009 Bad device specific subtype: <specified sub-type> 17-2
MOVR0010 Device <device ID> is not currently open 17-2
MOVR0011 Error reading device <device ID>, vol <volume ID>, sec <section>, off <section offset> 17-2
MOVR0012 Error writing device <device ID>, vol <volume ID>, sec <section>, off <section offset> 17-3
MOVR0013 Tape <device ID> in unwritable position, vol <volume ID>, sec <section>, off <section offset> 17-3
MOVR0014 Tape <device ID> in unreadable position, vol <volume ID>, sec <section>, offs <section offset> 17-3
MOVR0015 Absolute addressing not supported on device <device ID>, type <device type> 17-3
MOVR0016 Open of device <device ID> (<device name>) failed 17-3
MOVR0017 Rewind of device <device ID> failed 17-4
MOVR0018 Read of label on device <device ID> failed, ret = <return codo> 17-4
MOVR0019 Verification of label on dev <device ID> failed: <volume ID on media> and <specified volume ID> 17-4
MOVR0020 Unload of device <device ID> failed 17-4
MOVR0021 Forward space file on device <device ID> failed, count = <filemark count> 17-4
MOVR0022 Reverse space file on device <device ID> failed, count = <filemark count> 17-4

MOVR0023 Header read on device <device ID>, volume <volume ID>, section <section> failed, ret = <return code> 17-5
MOVR0024 Forward space record on device <device ID> failed, count = <block count> 17-5
MOVR0025 Label write on device <device ID> failed, ret = <return value> 17-5
MOVR0026 Header write on device <device ID>, volume <volume ID>, section <section> failed, ret = <return code> 17-5
MOVR0027 Tape mark write on device <device ID>, vol <volume ID> failed 17-5
MOVR0028 Attempt to obtain timer expiration date failed 17-5
MOVR0029 DD2 set blocksize failed for device <device ID>, blocksize = <block size> 17-6
MOVR0030 Error getting position on DD2 tape <device ID>, vol <volume ID>, sec <section>, off <section offset> 17-6
MOVR0031 Error positioning DD2 tape <device ID>, vol <volume ID>, sec <section>, off <section offset> 17-6
MOVR0032 Could not get tape absolute position for dev <device ID> 17-6
MOVR0033 IPI-3 I/O (ipi3_slave_async_io) failed 17-6
MOVR0034 IPI-3 data transfers not currently supported by mover 17-6
MOVR0035 PIOFS change view failed 17-7
MOVR0036 PIOFS not currently supported by mover 17-7
MOVR0037 Invalid source/sink reply list in IOR 17-7
MOVR0038 Invalid request specific reply in IOR 17-7
MOVR0039 Invalid function <specified function> specified in IOD 17-7
MOVR0040 Invalid shared memory id <shared memory ID> 17-7
MOVR0041 Could not bind to address <IP address>, port <port number> 17-8
MOVR0042 No available request table slots 17-8
MOVR0043 Could not receive IOD 17-8
MOVR0044 Could not send IOR 17-8
MOVR0045 Could not allocate memory for IOR 17-8
MOVR0046 Bad request slot <request slot number> 17-8
MOVR0047 Bad IP port: <port number> 17-9
MOVR0048 Source/Sink offset mismatch, mover offset <transfer offset> 17-9
MOVR0049 Invalid stripe address at mover offset <transfer offset>, <src/sink descriptor offset> 17-9
MOVR0050 Invalid address type: <specified address type> 17-9
MOVR0051 Invalid source/sink descriptor list length 17-9
MOVR0052 Zero source/sink descriptor length 17-9
MOVR0053 Invalid device stripe list length: <specified length> 17-9
MOVR0054 Stripe parms out of range: BS <stripe block size>, Width <stripe width> 17-10
MOVR0055 Hit end of source/sink list, length was <list length>, found <specified length> 17-10
MOVR0056 Verification of IOD failed 17-10
MOVR0057 Attempt to obtain device failed 17-10
MOVR0058 Tape open failed for device <device ID> 17-10
MOVR0059 Tape close failed for device <device ID>, volume <volume ID> 17-10
MOVR0060 Tape position failed for device <device ID>, volume <volume ID> 17-11
MOVR0061 Tape read failed for device <device ID>, volume <volume ID> 17-11
MOVR0062 Tape write failed for device <device ID>, volume <volume ID> 17-11
MOVR0063 Error calculating next transfer offset, current: <transfer offset> 17-11
MOVR0064 Error determining client address, offset: <transfer offset> 17-11
MOVR0065 Error sending data to client, offset: <transfer offset> 17-11
MOVR0066 Error receiving data from client, offset: <transfer offset> 17-12
MOVR0068 Unexpected i/o length for device <device ID>: got <returned length>, expected <expected length> 17-12
MOVR0069 Block size specified, <specified block size>, does not match current section, <section block size> 17-12
MOVR0070 Begin section failed 17-12
MOVR0071 End section failed 17-12
MOVR0072 hpss_EnterConnection() failed 17-12
MOVR0073 GetTransferDescriptor() failed 17-13
MOVR0074 mover_socket_send_buffer() failed 17-13
MOVR0075 mover_socket_get_buffer() failed 17-13
MOVR0076 OpenClientConnection() failed 17-13
MOVR0077 SocketOpenConnection() failed 17-13
MOVR0078 BlockSignal() failed 17-13
MOVR0079 UnBlockSignal() failed 17-14
MOVR0080 Null ReqSpecInfo pointer in IOD 17-14
MOVR0081 Invalid request specific info type: <specified type> 17-14
MOVR0082 Tape readlabel failed for device <device ID> 17-14
MOVR0083 Invalid section number: <specified section> 17-14
MOVR0084 Invalid blocksize: <specified block size> 17-14
MOVR0085 could not build vol1 label for device <device ID> 17-15
MOVR0086 could not build hdr1 for device <device ID> 17-15
MOVR0087 could not build hdr2 for device <device ID> 17-15
MOVR0088 Tape label initialization failed for device <device ID> 17-15
MOVR0089 AsyncRead() failed for device <device ID> 17-15
MOVR0090 AsyncWrite() failed for device <device ID> 17-15
MOVR0091 ssm_ServerNotify() failed 17-16
MOVR0092 ssm_MoverNotify() failed 17-16
MOVR0093 ssm_DeviceNotify() failed 17-16
MOVR0094 SendNotifyRequest() failed 17-16
MOVR0095 Hit end of stripe list too soon, length was <specified length>, found <list length> 17-16
MOVR0096 Volume ID mismatch: dev = <volume ID on media>, request = <specified volume ID> 17-16
MOVR0097 Bad blocks per file: dev <device ID>, vol <volume ID>, offs <section offset>, bpf = <blocks per file> 17-17
MOVR0098 Open of SFS file (sfs_Open) failed: <filename> 17-17
MOVR0099 Close of SFS file (sfs_Close) failed: <filename> 17-17
MOVR0100 mm_ReadServerConfig() failed 17-17

MOVR0101 mm_ReadMVR() failed 17-17
MOVR0102 mm_ReadAllMVRDevices() failed 17-17
MOVR0103 Source/sink list longer than list length 17-18
MOVR0104 Stripe address list longer than list length 17-18
MOVR0105 Could not register DCE interface 17-18
MOVR0106 Could not unregister DCE interface 17-18
MOVR0107 Could not read mover configuration 17-18
MOVR0108 Could not initialize mover state 17-18
MOVR0109 Could not initialize device descriptors 17-19
MOVR0110 Mover listen process exited, status <exit status> 17-19
MOVR0111 Write attempted on non-block boundary, sec <section>, off <section offset> 17-19
MOVR0112 IgnoreSignal() failed 17-19
MOVR0113 Device <device ID> not ready, metadata flags = <metadata device flags> 17-19
MOVR0114 Device <device ID> not readable, metadata flags = <metadata device flags> 17-19
MOVR0115 Device <device ID> not writeable, metadata flags = <metadata device flags> 17-20
MOVR0117 Device <device ID> not opened for reading 17-20
MOVR0118 Device <device ID> not opened for writing 17-20
MOVR0119 SocketCloseConnection() failed 17-20
MOVR0120 ClientCloseConnection() failed 17-20
MOVR0121 Client midblock tape position, operation not permitted on vol <volume ID> 17-20
MOVR0122 Could not gain control of device <device ID> 17-21
MOVR0123 Child process exited with non-zero status code 17-21
MOVR0124 Could not initialize connection processing 17-21
MOVR0125 Too many devices configured for mover 17-21
MOVR0126 hpss_PreRegisterService() failed 17-21
MOVR0127 hsec_Init() failed 17-21
MOVR0128 hsec_InitAuthzVector() failed 17-22
MOVR0130 hsec_CallerAuthorized() failed 17-22
MOVR0131 Caller not authorized 17-22
MOVR0132 hsec_Audit() failed 17-22
MOVR0133 hpss_InitRPCMasterHandle() failed 17-22
MOVR0134 hpss_FreeRPCHandle() failed 17-22
MOVR0135 Invalid hostname: <specified host name> 17-23
MOVR0136 Change on unsettable mover attr, SelectionFlags = <specified selection flags> 17-23
MOVR0137 Change on unsettable server attr, SelectionFlags = <specified selection flags> 17-23
MOVR0138 Invalid mover attribute value: attr <attribute ID>, value <specified value> 17-23
MOVR0139 Invalid server attribute value: attr <attributes ID>, value <specified value> 17-23
MOVR0140 dst_getlabel failed on dev <device ID> 17-23
MOVR0141 Shared memory initialization completion failed 17-24
MOVR0142 Query 3490 absolute pos failed on dev <device ID>, vol <volume ID>, sec <section> off <section offset> 17-24
MOVR0143 Set 3490 absolute pos failed on dev <device ID>, vol <volume ID>, sec <section> off <section offset> 17-24
MOVR0144 3490 sync failed on dev <device ID>, vol <volume ID>, sec <section> off <section offset> 17-24
MOVR0145 3490 display message failed on dev <device ID> 17-24
MOVR0148 Tape flush failed for device <device ID>, volume <volume ID> 17-24
MOVR0149 Tape display failed for device <device ID> 17-25
MOVR0150 Open of PIOFS file failed 17-25
MOVR0151 Close of PIOFS file failed 17-25
MOVR0152 Read from PIOFS file failed 17-25
MOVR0153 Write to PIOFS file failed 17-25
MOVR0154 Lseek in PIOFS file failed 17-25
MOVR0155 Mover DCE process exited, status <exit status> 17-26
MOVR0156 Initialization of signal set (sigemptyset) failed 17-26
MOVR0157 Addition to signal set (sigaddset) failed 17-26
MOVR0158 Setting of signal mask (sigprocmask) failed 17-26
MOVR0159 Suspension of process until signal (sigsuspend) failed 17-26
MOVR0160 Setting of signal action (sigaction) failed 17-26
MOVR0161 Aysnc I/O cancel (aio_cancel) failed 17-26
MOVR0162 Memory allocation (malloc) failed 17-27
MOVR0163 Socket creation (socket) failed 17-27
MOVR0164 Connection establishment (connect) failed 17-27
MOVR0165 Setting of socket option (setsockopt) failed 17-27
MOVR0166 Close of socket (close) failed 17-27
MOVR0167 Open of IPI-3 slave (ipi3_slave_open) failed 17-27
MOVR0168 Close of IPI-3 slave (ipi3_slave_close) failed 17-28
MOVR0169 Retrieval of current time (gettimeofday) failed 17-28
MOVR0170 Read from socket (read) failed 17-28
MOVR0171 Write to socket (write) failed 17-28
MOVR0172 Wait on available socket (select) failed 17-28
MOVR0173 Connection accept (accept) failed 17-28
MOVR0174 Socket listen (listen) failed 17-29
MOVR0175 Bind (bind) on unix domain socket <socket name> failed 17-29
MOVR0176 Attachment of shared memory (shmat) failed 17-29
MOVR0177 Release of shared memory (shmdt) failed 17-29
MOVR0178 Shared memory control operation (shmctl) failed 17-29
MOVR0179 Shared memory allocation (shmget) failed 17-29
MOVR0180 Semaphore control operation (semctl) failed 17-30
MOVR0181 Semaphore operation (semop) failed 17-30
MOVR0182 Semaphore allocation (semget) failed 17-30
MOVR0183 RPC listen (trdce_serverlisten) failed 17-30
MOVR0184 Thread creation (pthread_create) failed 17-30
MOVR0185 Mutex initialization (pthread_mutex_init) failed 17-30
MOVR0186 Mutex lock operation (pthread_mutex_lock) failed 17-30
MOVR0187 Mutex unlock operation (pthread_mutex_unlock) failed 17-31
MOVR0188 Condition variable initialization (pthread_cond_init) failed 17-31
MOVR0189 Wait on condition variable (pthread_cond_wait) failed 17-31
MOVR0190 Signal of condition variable (pthread_cond_signal) failed 17-31
MOVR0191 Wait on signal (sigwait) failed 17-31

MOVR0192 Process creation (fork) failed 17-31
MOVR0193 Program execution (exec) failed 17-32
MOVR0194 Signal send operation (kill) failed 17-32
MOVR0195 Cleanup of child process (wait) failed 17-32
MOVR0196 Setting of process group ID (setpgid) failed 17-32
MOVR0197 Retrieval of local time (localtime) failed 17-32
MOVR0198 Media block size (<media block size>› > mover buffer size (<mover buffer size>) 17-32
MOVR0199 Could not initialize passive side of mover 17-33
MOVR0200 Mover passive wait failed, offset = <transfer offset> 17-33
MOVR0201 Could not send passive reply, offset = <transfer offset> 17-33
MOVR0202 Could not send passive completion 17-33
MOVR0203 Could not complete active handshake, offset = <transfer offset> 17-33
MOVR0204 Could not send active completion 17-33
MOVR0205 Open failed for device <device ID> 17-33
MOVR0206 Read failed for device <device ID>, volume <volume ID> 17-34
MOVR0207 Write failed for device <device ID>, volume <volume ID> 17-34
MOVR0208 Error waiting on device I/O 17-34
MOVR0210 Position failed for device <device ID>, volume <volume ID> 17-34
MOVR0211 Could not determine transfer info, offset = <transfer offset> 17-34
MOVR0212 Could not determine transfer type, offset = <transfer offset> 17-34
MOVR0213 Could not setup initiator listen, offset = <transfer offset> 17-35
MOVR0214 Initiator send failed, offset = <transfer offset> 17-35
MOVR0215 Initiator receive failed, offset = <transfer offset> 17-35
MOVR0216 Disk open failed for device <device ID> 17-35
MOVR0217 Disk close failed for device <device ID> 17-35
MOVR0218 Disk read failed for device <device ID> 17-35
MOVR0219 Disk write failed for device <device ID> 17-36
MOVR0220 Disk readlabel failed for device <device ID> 17-36
MOVR0221 Disk label initialization failed for device <device ID> 17-36
MOVR0222 Disk synchronous read failed for device <device ID> 17-36
MOVR0224 Disk clear failed for device <device ID> 17-36
MOVR0225 Address out of range, dev = <device ID>, offs = <specified offset>, length = <specified length> 17-36
MOVR0226 Error waiting for asynchronous I/O to complete 17-37
MOVR0227 Error waiting for IPI-3 I/O to complete 17-37
MOVR0228 No common data transport types 17-37
MOVR0229 Close failed for device <device ID> 17-37
MOVR0230 Read label failed for device <device ID> 17-37
MOVR0231 Volume label initialization failed for device <device ID> 17-37
MOVR0232 Display failed for device <device ID> 17-38
MOVR0233 Flush failed for device <device ID> 17-38
MOVR0234 Write tapemark failed for device <device ID> 17-38
MOVR0235 Release failed for device <device ID> 17-38
MOVR0236 IPI-3 initialization failed 17-38
MOVR0237 IPI-3 read failed for device <device ID> 17-38
MOVR0238 IPI-3 third party read failed for device <device ID> 17-39
MOVR0239 IPI-3 write failed for device <device ID> 17-39
MOVR0240 IPI-3 third party read failed for device <device ID> 17-39
MOVR0241 Could not open IPI-3 partition <device ID> 17-39
MOVR0242 Error closing IPI-3 partition <device ID> 17-39
MOVR0243 Invalid disk label parameters: block size <block size>, block <number of blocks>, start <starting block> 17-39
MOVR0244 Non-ANSI labelled tape on device <device ID> 17-40
MOVR0245 Foreign label tape on device <device ID> 17-40
MOVR0246 Close of device <device ID> failed 17-40
MOVR0247 Block size mismatch on device <device ID>: metadata <metadata block size>, label <label block size> 17-40
MOVR0248 Start block mismatch on device <device ID>: metadata <metadata block>, label <label block> 17-40
MOVR0249 Block count mismatch on device <device ID>: metadata <block count>, label <block count> 17-40
MOVR0250 Error building volume label for device <device ID> 17-41
MOVR0251 Could not obtain an IPI-3 transfer descriptor 17-41
MOVR0252 Error initiating IPI-3 data read 17-41
MOVR0253 Error initiating IPI-3 data write 17-41
MOVR0254 Error initiating IPI-3 read for device <device ID>, start <starting block>, count <number of blocks> 17-41
MOVR0255 Error initiating IPI-3 write for device <device ID>, start <starting block>, count <number of blocks> 17-41
MOVR0256 Error canceling IPI-3 I/O for device <device ID> 17-42
MOVR0257 Error waiting for IPI-3 I/O completion for device <device ID> 17-42
MOVR0258 IPI-3 reference id mismatch for device <device ID>: expected <expected length>, got <actual length> 17-42
MOVR0259 Error performing passive handshake 17-42
MOVR0260 Invalid mover protocol control address type: <specified type> 17-42
MOVR0261 Invalid mover protocol data address type: <specified type> 17-42
MOVR0262 Could not send mover protocol initiator message 17-43
MOVR0263 Could not receive mover protocol initiator message 17-43
MOVR0264 Could not send mover protocol completion message 17-43
MOVR0265 Could not receive mover protocol completion message 17-43
MOVR0266 Could not send mover protocol IP address 17-43
MOVR0267 Could not receive mover protocol IP address 17-43
MOVR0268 Could not send mover protocol IPI-3 address 17-43
MOVR0269 Could not receive mover protocol IPI-3 address 17-44
MOVR0270 Mover protocol address type mismatch: message

<type>, address <type> 17-44
MOVR0271 Attempt to get socket address (getsockname) failed 17-44
MOVR0272 Error performing initiator socket send at offset <transfer offset> 17-44
MOVR0273 Error performing initiator socket receive at offset <transfer offset> 17-44
MOVR0274 Error during IPI-3 data transfer 17-44
MOVR0275 Error sending socket initiator data at offset <transfer offset> 17-44
MOVR0276 Error receiving socket initiator data at offset <transfer offset> 17-45
MOVR0277 Wait for slave I/O completion failed 17-45
MOVR0278 Mover passive data descriptor table full 17-45
MOVR0279 Could not set socket options 17-45
MOVR0280 Could not initialize socket 17-45
MOVR0281 Control address not provided with initiator request 17-45
MOVR0282 Passive length <specified length> greater than active <length> 17-46
MOVR0283 Selecting on write descriptor failed 17-46
MOVR0284 Selecting on read descriptor failed 17-46
MOVR0285 Select on descriptor lists failed 17-46
MOVR0287 hpss_InitServer failed 17-46
MOVR0288 Invalid volume type: <specified type> 17-46
MOVR0289 Wrong block on UniTree tape: got <actual block>, expected <expected block> 17-47
MOVR0290 Invalid security token received from host <IP address>, port <port number> 17-47
MOVR0291 Valid security context from host <IP address>, port<port number> 17-47
MOVR0292 Invalid device type, device <device ID> 17-47
MOVR0293 Could not receive mover protocol shared memory address 17-47
MOVR0294 Could not send mover protocol shared memory address 17-47
MOVR0295 Could not receive passive completion 17-48
MOVR0296 Could not receive active completion 17-48
MOVR0297 Could not find SSM interface endpoint 17-48
MOVR0298 Could not open connection to SSM 17-48
MOVR0299 Shared memory request out of bounds 17-48
MOVR0300 Could not initialize mover security mechanism 17-48
MOVR0301 Invalid device ID: <device ID> 17-49
MOVR0302 Invalid device type: <type> 17-49
MOVR0303 Invalid device media blocksize: <block size> 17-49
MOVR0304 Invalid device flags: <flags value> 17-49
MOVR0305 Device uuid does not match mover uuid 17-49
MOVR0306 Could not create device metadata 17-49
MOVR0307 Could not delete device metadata 17-50
MOVR0308 Select on socket timed out 17-50
MOVR0309 DD-2 position mismatch, dev <device ID>: expected <partition>:<section>:<offset>, found <partition>:<section>:<offset> 17-50
MOVR0310 Absolute position mismatch, dev <device ID>: expected <expected absolute position>, found <reported absolute position> 17-50
MOVR0311 Initialization of port range failed 17-50
MOVR0312 Invalid port range: start <starting port>, end <ending port> 17-50
MOVR0313 Exhausted local connect port range 17-51
MOVR0314 Mover buffer overrun: offset <buffer offset>, length <transfer length>, size <buffer size> 17-51
MOVR0315 Read request failed: <error code> 17-51
MOVR0316 Write request failed: <error code> 17-51
MOVR0317 Passive side type mismatch: passive <type>, active <type> 17-51
MOVR0318 Device <device ID> start offset <disk offset> not a multiple of block size <disk block size> 17-52
MOVR0319 Modifying device shared use flag not supported 17-52
MOVR0320 System configuration request (sysconf) failed 17-52
MOVR0321 Send notification to Mover TCP parent process failed 17-52
MOVR0322 TCP Process device get attributes failed, device <device ID> 17-52
MOVR0323 TCP Process device set attributes failed, device <device ID> 17-52
MOVR0324 TCP Process device create failed, device <device ID> 17-53
MOVR0325 TCP Process device delete failed, device <device ID> 17-53
MOVR0326 TCP Process Mover get attributes failed 17-53
MOVR0327 TCP Process Mover set attributes failed 17-53
MOVR0328 TCP Process Server get attributes failed 17-53
MOVR0329 TCP Process Server set attributes failed 17-53
MOVR0330 Send notification information request failed 17-54
MOVR0331 Receive notification information request failed 17-54
MOVR0332 String scan (sscanf) failed on string <string value> 17-54
MOVR0333 Mover client security initialization failed 17-54
MOVR0334 Mover context establishment failed with host <hostname> 17-54
MOVR0335 Attempt to get Mover log policy failed 17-54
MOVR0336 Send log client/policy information failed 17-55
MOVR0337 Read all server configuration request failed 17-55
MOVR0338 Could not create listen port 17-55
MOVR0339 Could not send data 17-55
MOVR0340 Could not receive data 17-55
MOVR0341 Invalid object class in notification request: <object class id> 17-55
MOVR0342 Could not convert <address string> to IP address 17-56
MOVR0343 Could not send Mover shared memory information 17-56
MOVR0344 Invalid TCP/IP port <port ID> received from remote Mover process 17-56
MOVR0345 Receive of log client/policy information failed 17-56
MOVR0346 Could not set blocksize for Ampex drive, blocksize <request block size> 17-56
MOVR0347 Could not query blocksize for Ampex drive 17-56
MOVR0348 Could not query position for Ampex drive 17-57
MOVR0349 Unexpected Ampex drive query position valid bits: <returned value> 17-57
MOVR0350 Could not set position for Ampex drive 17-57
MOVR0351 Could not query label for Ampex drive 17-57
MOVR0352 Unexpect Ampex drive query label valid flag: <returned value> 17-57
MOVR0353 Could not unload cartridge from Ampex drive 17-57
MOVR0354 Tape device configured with shared use

enabled 17-58
MOVR0355 Could not perform open initialization, dev <device ID> (<device name>) 17-58
MOVR0356 Could not set unbuffered tape marks on Ampex DST driv 17-58
MOVR0357 Could not get DST drive status 17-58
MOVR0358 DST result: valid <valid flags>,class <returned class>,msicode <returned code>,msrcode <returned code>,msrstat <returned status> 17-58
MOVR0359 Could not get data left in DST drive buffer for dev <device ID>, vol <volume ID> 17-58
MOVR0360 Could not get state of Ampex DST drive <device ID> (<device Name>) 17-59
MOVR0361 Could not initialize asynchronous I/O services 17-59
MOVR0362 Attempt to overwrite disk label detected, dev <device ID> 17-59
MOVR0363 Attempt to write before disk label detected, dev <device ID> 17-59
MOVR0364 Attempt to read disk label for user I/O detected, dev <device ID> 17-59
MOVR0365 Attempt to read before disk label detected, dev <device ID> 17-59
MOVR0366 Clock skew too great with Mover host <hostname> 17-60
MOVR0367 Encryption key mismatch on Mover host <hostname> 17-60
MOVR0368 Zero block size detected in tape positioning request 17-60
MOVR0369 Request for locked or disabled device: id <device ID> 17-60
MOVR1001 Device GetAttributes request for device <device ID> 17-60
MOVR1002 Device SetAttributes request for device id <device ID> 17-60
MOVR1003 Server GetAttributes request 17-61
MOVR1004 Server SetAttributes request 17-61
MOVR1005 Mover GetAttributes request 17-61
MOVR1006 Mover SetAttributes request 17-61
MOVR1007 DeviceGetAttr_IOD request for device <device ID> 17-61
MOVR1008 DeviceSetAttr_IOD request for device <device ID> 17-61
MOVR1009 DeviceSpec load request for device <device ID> 17-62
MOVR1010 DeviceSpec unload request for device <device ID> 17-62
MOVR1011 DeviceSpec flush request for device <device ID> 17-62
MOVR1012 DeviceSpec write tapemark request for device <device ID> 17-62
MOVR1013 DeviceSpec loaddisplay request for device <device ID> 17-62
MOVR1014 DeviceSpec readlabel request for device <device ID> 17-62
MOVR1015 DeviceSpec writelabel request for device <device ID> 17-62
MOVR1016 DeviceSpec request, NULL information structure 17-63
MOVR1017 DeviceSpec request, invalid subfunction <device ID> 17-63
MOVR1018 Read request 17-63
MOVR1019 Write request 17-63
MOVR1020 Exiting Device GetAttributes request, device <device ID> 17-63
MOVR1021 Exiting Device SetAttributes request, device <device ID> 17-63
MOVR1022 Exiting Server GetAttributes request 17-63
MOVR1023 Exiting Server SetAttributes request 17-64
MOVR1024 Exiting Mover GetAttributes request 17-64
MOVR1025 Exiting Mover SetAttributes request 17-64
MOVR1026 Exiting DeviceGetAttr_IOD request, device <device ID> 17-64
MOVR1027 Exiting DeviceSetAttr_IOD request, device <device ID> 17-64
MOVR1028 Exiting DeviceSpec request, device <device ID> 17-64
MOVR1029 Exiting load request, device <device ID> 17-64
MOVR1030 Exiting unload request, device <device ID> 17-65
MOVR1031 Exiting flush request, device <device ID> 17-65
MOVR1032 Exiting writetm request, device <device ID> 17-65
MOVR1033 Exiting loaddisplay request, device <device ID> 17-65
MOVR1034 Exiting readlabel request, device <device ID> 17-65
MOVR1035 Exiting writelabel request, device <device ID> 17-65
MOVR1036 Exiting Read request, <bytes moved> bytes 17-65
MOVR1037 Exiting Write request, <bytes moved> bytes 17-66
MOVR1038 DeviceSpec clear request for device <device ID> 17-66
MOVR1039 Exiting clear request, device <device ID> 17-66
MOVR1040 Abort request 17-66
MOVR1041 Create device request for device <device ID> 17-66
MOVR1042 Exiting Create device request for device <device ID> 17-66
MOVR1043 Delete device request for device <device ID> 17-66
MOVR1044 Exiting Delete device request for device <device ID> 17-67
MOVR2001 End of media on device <device ID>, volume <volume ID>, section <section>, offset <section offset> 17-67
MOVR2002 Mover terminating 17-67
MOVR2003 Mover reinitializing 17-67
MOVR2004 Mover received DCE exception, kind <exception kind>, status/addr <status> 17-67
MOVR2005 Mover received signal <signal number> 17-67
MOVR2006 Mover initialized 17-67
MOVR2007 Disabling device <device ID> due to write error 17-68
MPSR0001 System call failed: %s 18-1
MPSR0002 Error obtaining OFD (File %s) 18-1
MPSR0003 Address of connect context error 18-1
MPSR0004 Invalid type passed to mps_SSMMPSSClassNotify (%d) 18-1
MPSR0005 Disk migration failure (SClassId %d) 18-2
MPSR0006 Tape lateral move failure (SClassId %d) 18-2
MPSR0007 Error locking mutex 18-2
MPSR0008 Error unlocking mutex 18-2
MPSR0009 Entered MPS API <%s>, %s 18-2
MPSR0010 Error freeing OFD 18-3
MPSR0011 MPS configuration initialization error 18-3

MPSR0012 MPS initialize connection error 18-3
MPSR0013 MPS initialize Class of Service error (COSReadCount %d) 18-3
MPSR0014 Invalid combination of type and notification passed(%d - %d) 18-3
MPSR0015 OFD initialization failed 18-3
MPSR0016 Failure in hpss_InitServer (%s) 18-4
MPSR0017 Metadata read error: MPS server config 18-4
MPSR0018 Bitfile desc metadata inconsistency 18-4
MPSR0019 Metadata read error: bitfile descriptor 18-4
MPSR0020 Metadata read error: bitfile disk map (SClassId %d) 18-4
MPSR0021 Metadata read error: checkpoint info (SClassId %d) 18-5
MPSR0022 Metadata read error: HPSS server config 18-5
MPSR0023 Metadata read error: Storage-Maps-by-Space (SClassId %d) 18-5
MPSR0024 Metadata read error: migration policy (MigrPolicyId %d) 18-5
MPSR0025 Metadata read error: purge policy (PurgePolicyId %d) 18-5
MPSR0026 Metadata read error: storage class (SClassId %d) 18-5
MPSR0027 Metadata read error: Storage Segments-by-VV 18-6
MPSR0028 Invalid notification passed(%d) 18-6
MPSR0029 Storage class type not defined in metadata (SClassId %d, Type %d) 18-6
MPSR0030 Metadata write error: Checkpoint info (SClassId %d) 18-6
MPSR0031 Metadata config info is not for MPS 18-6
MPSR0032 Metadata config is not for Storage Server 18-6
MPSR0033 Error in hpss_PreInitConnections 18-7
MPSR0034 Error in hpss_PreRegisterService (Status %d) 18-7
MPSR0035 Failure in pthread_cond_init 18-7
MPSR0036 Failure in pthread_cond_wait 18-7
MPSR0037 Failure in pthread_create 18-7
MPSR0038 Failure in pthread_detach 18-7
MPSR0039 Failure in pthread_mutex_init 18-8
MPSR0040 MPS register initialization error 18-8
MPSR0041 No migration or purge policy in storage class (SClassId %d) 18-8
MPSR0043 SSM mps_ServerSet reinit not supported 18-8
MPSR0044 Tape migration start (SClassId %d) 18-8
MPSR0045 Unable to end session with SS 18-9
MPSR0046 Unable to open session with SS 18-9
MPSR0047 Disk purge failure 18-9
MPSR0048 Metadata read error: SS general config 18-9
MPSR0049 MPS Server startup complete 18-9
MPSR0050 Tape migration error (SClassId %d) 18-9
MPSR0051 Tape migration end (SClassId %d, %s bytes migrated, %s moved laterally, %s extra) 18-10
MPSR0052 No SS selected for tape migration 18-10
MPSR0053 Could not make local connection to SS 18-10
MPSR0054 Tape Migration for SS has completed 18-10
MPSR0055 Lost connection to server: %s 18-10
MPSR0056 Cannot connect to server: %s 18-10
MPSR0057 Maximum storage classes exceeded (Count %d) 18-11
MPSR0058 Maximum storage servers exceeded (Count %d) 18-11
MPSR0059 Memory allocation failed (size %d) 18-11
MPSR0060 MPS initialize class of service hierarchy error (HierId %d) 18-11
MPSR0061 Metadata read error: All Storage Classes 18-11
MPSR0062 No SS for this storage class (SClassId %d) 18-11
MPSR0063 Disk migration start (SClassId %d) 18-12
MPSR0064 Disk migration end (SClassId %d, %s bytes migrated) 18-12
MPSR0065 Disk purge start (SClassId %d) 18-12
MPSR0066 Disk purge end (SClassId %d, %s bytes purged) 18-12
MPSR0067 Metadata read error: SS only config 18-12
MPSR0068 Metadata read error: BFS general config 18-12
MPSR0069 Metadata read error: BFS only config 18-13
MPSR0070 Metadata config is not for Bitfile Server 18-13
MPSR0071 The unknown connection is dead. 18-13
MPSR0073 Initialize the security service failed 18-13
MPSR0074 hsec_Audit failed 18-13
MPSR0075 Initialize caller auth vector failed 18-13
MPSR0076 read SSM server config failed 18-14
MPSR0078 Failure in hpss_UnregisterService 18-14
MPSR0080 There is no storage class specified for this MPS 18-14
MPSR0081 Caller authorization failed 18-14
MPSR0082 Reconnected to server: %s 18-14
MPSR0083 Storage class warning threshold exceeded (SClassId %d) 18-15
MPSR0084 The NumActiveSegments in the storage map is incorrect 18-15
MPSR0085 SClass critical threshold exceeded (SCLassId %d) 18-15
MPSR0086 Migration record found for nonexistent file. 18-15
MPSR0087 Purge record found for nonexistent file. 18-15
MPSR0089 Failure in pthread_mutex_trylock 18-16
MPSR0090 Failure in pthread_join 18-16
MPSR0091 Failure in pthread_mutex_destroy 18-16
MPSR0092 Failure in pthread_cond_timedwait 18-16
MPSR0093 Failure in pthread_cond_broadcast 18-16
MPSR0094 Failure in pthread_cond_destroy 18-16
MPSR0095 Failure in pthread_cond_signal 18-17
MPSR0096 Failure in pthread_get_expiration_np 18-17
MPSR0097 Error deleting migration record 18-17
MPSR0098 Error deleting purge record 18-17
MPSR0099 Storage class critical threshold cleared (SClassId %d) 18-17
MPSR0100 Storage class warning threshold cleared (SClassId %d) 18-17
MPSR0101 Tape lateral move error (SClassId %d) 18-17
MPSR0102 Underflow error 18-18
MPSR0103 Division by zero error 18-18
MPSR0104 Time has no meaning. 18-18
MPSR0105 Disk migration hierarchy error (SClassId %d) 18-18
MPSR0106 Metadata read error: migration record (SClassId %d) 18-18
MPSR0107 Metadata read error: purge record (SClassId %d) 18-18
MPSR0108 Metadata read error: wrong bitfile disk map. (Expected SClassId %d, Got SClassId %d) 18-18
MPSR0109 Metadata read error: wrong migration record. (Expected SClassId %d, Got SClassId %d) 18-19
MPSR0110 Metadata read error: wrong purge record. (Expected SClassId %d, Got SClassId %d) 18-19

N

NDCG0001 hpss_InitServer failed: %s 19-1
NDCG0002 Thread creation (pthread_create) failed 19-1
NDCG0003 Mutex initialization (pthread_mutex_init) failed 19-1
NDCG0004 Mutex lock operation (pthread_mutex_lock) failed 19-1
NDCG0005 Mutex unlock operation (pthread_mutex_unlock) failed 19-2
NDCG0006 Condition variable initialization (pthread_cond_init) failed 19-2
NDCG0007 Wait on condition variable (pthread_cond_wait) failed 19-2
NDCG0008 Signal of condition variable (pthread_cond_signal) failed 19-2
NDCG0009 Wait on signal (sigwait) failed 19-2
NDCG0010 hpss_PreRegisterService() failed 19-2
NDCG0011 hsec_Init() failed 19-3
NDCG0012 hsec_InitAuthzVector() failed 19-3
NDCG0013 hsec_AddAuthzVectorEntry() failed 19-3
NDCG0014 hsec_CallerAuthorized() failed 19-3
NDCG0015 Caller not authorized 19-3
NDCG0016 hsec_Audit() failed 19-3
NDCG0017 hpss_InitRPCMasterHandle() failed 19-3
NDCG0018 hpss_FreeRPCHandle() failed 19-4
NDCG0019 Open of SFS file (sfs_Open) failed 19-4
NDCG0020 Close of SFS file (sfs_Close) failed 19-4
NDCG0021 mm_ReadServerConfig() failed 19-4
NDCG0022 mm_ReadNDCG() failed 19-4
NDCG0023 Socket creation (socket) failed 19-4
NDCG0024 Connection establishment (connect) failed 19-5
NDCG0025 Could not initialize connection processing 19-5
NDCG0026 Could not register DCE interface 19-5
NDCG0027 Could not unregister DCE interface 19-5
NDCG0028 Could not read gateway configuration 19-5
NDCG0029 RPC listen (trdce_serverlisten) failed 19-5
NDCG0030 Retrieval of current time (gettimeofday) failed 19-6
NDCG0031 Could not find SSM interface endpoint 19-6
NDCG0032 Could not open connection to SSM 19-6
NDCG0033 ssm_ServerNotify() failed 19-6
NDCG0034 ssm_NDCGNotify() failed 19-6
NDCG0035 SendNotifyRequest() failed 19-6
NDCG0036 hpss_EnterConnection() failed 19-7
NDCG0037 Exiting Server GetAttributes request 19-7
NDCG0038 Exiting Server SetAttributes request 19-7
NDCG0039 Exiting Gateway GetAttributes request 19-7
NDCG0040 Exiting Gateway SetAttributes request 19-7
NDCG0041 Server GetAttributes request 19-7
NDCG0042 Server SetAttributes request 19-8
NDCG0043 Gateway GetAttributes request 19-8
NDCG0044 Gateway SetAttributes request 19-8
NDCG0045 Invalid SelectionFlags 0x%x.0x%x 19-8
NDCG0046 Change on unsettable mover attr, SelectionFlags = 0x%x.0x%x 19-8
NDCG0047 Change on unsettable server attr, SelectionFlags = 0x%x.0x%x 19-8
NDCG0048 Invalid mover attribute value: attr %d, value %d 19-8
NDCG0049 Invalid server attribute value: attr %d, value %d 19-9
NDCG0050 Invalid shared memory id %s 19-9
NDCG0051 Could not bind to address 0x%x, port 0x%x 19-9
NDCG0052 hpss_SetLoginContext() failed, error %d setting up identity as %s using keytab file %s 19-9
NDCG0053 Identity established as %s using keytab file %s. 19-9
NDCG0054 getpeername() failed 19-9
NDCG0055 Connection accepted from %s 19-10
NDCG0056 Maximum request processes currently active, rejecting connection 19-10
NDCG0057 Child process exited with non-zero status code 19-10
NDCG0058 Error(s) receiving control message 19-10
NDCG0059 Invalid requested received 19-10
NDCG0060 Issuing API: %s 19-10
NDCG0061 API returned an error 19-11
NDCG0062 malloc() failed 19-11
NDCG0063 Could not initialize gateway state 19-11
NDCG0064 Setting of process group ID (setpgid) failed 19-11
NDCG0065 Process creation (fork) failed 19-11
NDCG0066 Program execution (exec) failed 19-11
NDCG0067 Signal send operation (kill) failed 19-12
NDCG0068 Cleanup of child process (wait) failed 19-12
NDCG0069 Attachment of shared memory (shmat) failed 19-12
NDCG0070 Release of shared memory (shmdt) failed 19-12
NDCG0071 Shared memory control operation (shmctl) failed 19-12
NDCG0072 Shared memory allocation (shmget) failed 19-12
NDCG0073 Semaphore control operation (semctl) failed 19-12
NDCG0074 Semaphore operation (semop) failed 19-13
NDCG0075 Semaphore allocation (semget) failed 19-13
NDCG0076 Initialization of signal set (sigemptyset) failed 19-13
NDCG0077 Addition to signal set (sigaddset) failed 19-13
NDCG0078 Setting of signal mask (sigprocmask) failed 19-13
NDCG0079 Setting of signal action (sigaction) failed 19-13
NDCG0080 IgnoreSignal() failed 19-13
NDCG0081 Gateway listen process exited, status 0x%x 19-14
NDCG0082 Gateway DCE process exited, status 0x%x 19-14
NDCG0083 Read from socket (read) failed 19-14
NDCG0084 Write to socket (write) failed 19-14
NDCG0085 Wait on available socket (select) failed 19-14
NDCG0086 Connection accept (accept) failed 19-14
NDCG0087 Socket listen (listen) failed 19-14
NDCG0088 Bind (bind) on unix domain socket %s failed 19-15
NDCG0089 Shared memory initialization completion failed 19-15
NDCG0090 Gateway terminating 19-15
NDCG0091 Gateway reinitializing 19-15
NDCG0092 Gateway received DCE exception, kind 0x%x, status/addr 0x%x 19-15
NDCG0093 Gateway received signal %d 19-15
NDCG0094 Gateway initialized 19-15
NDCG0095 Request process %d not found in list 19-16
NDCG0096 Connection has been closed 19-16
NDCG0097 No XDR procedure was specified 19-16
NDCG0098 Invalid message header 19-16
NDCG0099 Invalid message body 19-16
NDCG0100 Garbage message header received! 19-16
NDCG0101 hpss_LoadDefaultThreadState() failed for uid %d 19-17
NDCG0102 Too many login failures from this host 19-17

NDCG0103 Caller not logged in. Rejecting request 19-17
NDCG0104 Get expiration time (pthread_get_expiration_np) failed 19-17
NDCG0105 Destroy of mutex (pthread_mutex_destroy) failed 19-17
NDCG0106 Destroy of condition variable (pthread_cond_destroy) failed 19-17
NDCG0107 Can't initialize work queue 19-18
NDCG0108 Unable to enqueue incomming request 19-18
NDCG0109 Unable to dequeue incomming request 19-18
NDCG0110 Can't initialize message stream 19-18
NDCG0111 Setting of socket option (setsockopt) failed 19-18
NDCG0112 Can't detatch thread 19-18
NDCG0113 Thread clean up (hpss_ThreadCleanUp) failed 19-19
NDCG0115 hpss_GetConfig() failed. 19-19
NDCG0116 hpss_SetConfig() failed. 19-19
NDCG0117 Some TCP Child processes did not die. 19-19
NDCG0118 Error
call to sigthreadmask() failed. 19-19
NDCG0119 hpss_SetConfiguration() failed for uid %d 19-19
NDCG0120 Dispatcher purging context and exiting 19-19
NDCG0121 Read from pipe (read) failed 19-20
NDCG0122 Create pipe (pipe) failed 19-20
NFS20001 Error <error_number> 20-1
NFS20002 Startup problem (<routine>) : <reason> 20-1
NFS20003 Cannot get thread data : <reason> 20-1
NFS20004 Duplicate request table is full 20-2
NFS20005 Cannot lock or unlock mutex : <reason> 20-2
NFS20006 Error closing metadata file (<filename>) : <reason> 20-2
NFS20007 Error opening metadata file (<filename>) : <reason> 20-2
NFS20008 Error reading metadata : <reason> 20-2
NFS20009 Unexpected problem with library routine (<routine>) : <reason> 20-3
NFS20010 Insufficient memory : <reason> 20-3
NFS20011 Security initialization failed : <reason> 20-3
NFS20012 Could not build security authorization vector : <reason> 20-3
NFS20013 Error opening or reading exports file : <reason> 20-3
NFS20014 Problem initializing DCE or Encina (<routine>) : <reason> 20-4
NFS20015 NFS2 daemon is up and running 20-4
NFS20016 Starting a slow shutdown 20-4
NFS20017 Starting a quick shutdown 20-4
NFS20018 Error accessing credentials map file : <reason> 20-4
NFS20019 Unprivileged user tried to do a privileged operation 20-5
NFS20020 Starting check for expired credentials 20-5
NFS20021 Dumping credentials file 20-5
NFS20022 Syntax error reading credential map file in line: <line> 20-5
NFS20023 Thread <n> is handling <name> request, xid = <xid> 20-5
NFS20024 Bad authentication value (<value>) 20-6
NFS20025 Bad authorization value (<value>) 20-6
NFS20026 There is no credential for this user in the map 20-6
NFS20027 Invalid export entry id (<string>) 20-6
NFS20028 Invalid export entry option (<string>) 20-6
NFS20029 Invalid export entry: <string> 20-6
NFS20030 File handle has an invalid cryptographic checksum 20-7
NFS20031 Entering routine <routine> 20-7
NFS20032 Unexpected signal <number> 20-7
NFS20033 Unauthorized caller 20-7
NFS20034 Dropped request 20-7
NFS20035 Duplicate request handled 20-8
NFS20036 An RPC was received from an unprivileged port 20-8
NFS20037 Problem with routine <routine> while shutting down : <reason> 20-8
NFS20038 Trying to shut down gracefully a second time; second call ignored 20-8
NFS20039 Cannot contact SSM (<routine>) : <reason> 20-8
NFS20040 No bit or wrong bit is set in fd_set 20-9
NFS20099 Coding error 20-9
NFS20200 cache entry is in use 20-9
NFS20201 error reading cache file 20-9
NFS20202 error from hpss (<hpss-call>) 20-9
NFS20203 Thread: <thread-number> did not terminate normally 20-10
NFS20204 error opening file (<file-path-name>) 20-10
NFS20205 error reading file (<file-path-name>) 20-10
NFS20206 error writing file (<file-path-name>) 20-10
NFS20207 error seeking file (<file-path-name>) 20-11
NFS20208 no free cache entries available 20-11
NFS20209 no free memory buffers available 20-11
NFS20210 io direction is not read or write 20-11
NFS20211 read was shorter than expected (<file-path-name>) 20-11
NFS20212 write was shorter than expected (<file-path-name>) 20-12
NFS20213 invalid value for (<config-param-name>) default used 20-12
NFS20214 invalid data cache entry checksum (<file-name>) 20-12
NFS20215 invalid checkpoint file header checksum 20-12
NFS20216 data cache recovery incomplete 20-12
NFS20217 internal logic error 20-13
NFS20218 dirty file left in cache due to error 20-13
NFS20219 having trouble creating free data cache entries 20-13
NFS20220 foreground syncing due to previous error 20-13
NFS20325 Entering mount daemon DCE procedure 20-13
NFS20326 Exiting mount daemon DCE procedure 20-14
NFS20327 Processing mount daemon ONC request: <procedure #> 20-14
NFS20350 Invalid export entry id: <id> 20-14
NFS20352 No key value in export entry: <export entry> 20-14
NFS20353 Invalid export entry option: <option> 20-14
NFS20355 Unknown host address: <xx.xx.xx.xx> 20-14
NFS20356 Error reading exports file <exports path name> 20-15
NFS20357 Error writing mountlist file 20-15
NFS20358 Error reading mountd config record from serverconfig 20-15
NFS20359 Error opening mountd specific config 20-15
NFS20360 Error reading mount daemon specific config 20-15
NFS20361 Error closing mount daemon specific config 20-15
NFS20362 Error calling sigemptyset 20-16
NFS20363 Error calling sigaddset 20-16
NFS20366 Error locking server managed object 20-16
NFS20367 Error locking server managed object 20-16
NFS20368 Error creating mount daemon thread 20-16

NFS20369 Error preregistering mount daemon SSM interface 20-16
NFS20370 Error reading mount daemon configuration record 20-17
NFS20371 Error initializing dce security 20-17
NFS20372 Error getting hpss root credentials 20-17
NFS20373 Error initializing authorization vector 20-17
NFS20376 Error initializing mutex 20-17
NFS20377 Error initializing conditioned variable 20-17
NFS20378 Error initializing connection manager 20-18
NFS20379 Error registering mount daemon SSM interface 20-18
NFS20380 Mount daemon dce initialized 20-18
NFS20381 Error starting server listen 20-18
NFS20382 Error initializing SSM RPC handle 20-18
NFS20383 Error waiting on conditioned variable 20-18
NFS20384 Error freeing SSM connection handle 20-18
NFS20385 Mount daemon terminating 20-19
NFS20386 Error notifying SSM 20-19
NFS20387 Error unregistering mount daemon interface 20-19
NFS20388 Mountd received signal <signal #> 20-19
NFS20389 Error locking mutex 20-19
NFS20390 Error unlocking mutex 20-19
NFS20392 Select got errno=<error #> 20-20
NFS20393 Cannot create udp service 20-20
NFS20394 Unable to register (MOUNTPROG, MOUNTVERS, udp) 20-20
NFS20395 Cannot create tcp service 20-20
NFS20396 Unable to set non-blocking socket: %d 20-20
NFS20397 Svc_run returned 20-20
NFS20398 Error in sigwait 20-20
NFS20399 Network <network address> not in /etc/network file 20-21
NFS20400 Host <host address> not defined 20-21
NFS20401 Cannot open connection to SSM 20-21
NFSH0102 Data Cache Flush operation: BitFile: ID: <soid> Type: <file-type> SecurityLevel: <0> 21-1
NFSH0103 Gnode: Type: <file-type> Flags: <gnode flags> Rcnt: <# readers> Wcnt: <# writers> VnodeLst: <address> GnodePriv: <address> 21-1
NFSH0104 Vnode: Flags: <flags> Count: <ref. count> Vfs: <address> Gnode: <address> Next: <address> VnodePriv: <address> 21-1
NFSH0108 Invalid parameter: <parameter name> 21-1
NFSH0109 Header cache not initialized 21-2
NFSH0110 Lock error: <error code> 21-2
NFSH0111 Unlock error: <error code> 21-2
NFSH0112 Error allocating memory 21-2
NFSH0113 Error initializing lock: <error code> 21-2
NFSH0114 Error getting HPSS credentials for: <uid> 21-2
NFSH0115 Not a directory gnode 21-3
NFSH0116 Error creating garbage collection thread 21-3
NFSH0117 Gnode is a directory 21-3
NFSH0118 Directory is also parent directory 21-3
NFSH0119 Error from <string> 21-3
NFSH0121 Entering function 21-3
NFSH0122 Exiting function 21-4
NSRV0001 >>>> CNS Initialization has completed! <<<< 22-1
NSRV0002 Error %d initializing the client authorization vector 22-1
NSRV0003 Size of DMHandle in ns_ObjectBlock_t and ns_Attrs_t are different in %s 22-1
NSRV0004 A bad object type (%d) was passed to UpdateObjStats 22-1
NSRV0005 Error %d returned by pthread_get_expiration_np in %s 22-1
NSRV0006 The malloc call to get the UserCredPtr failed 22-2
NSRV0007 An attempt to get the user credentials failed with error %d 22-2
NSRV0008 Received an unexpected error %d from hsec_CallerAuthorized 22-2
NSRV0009 Error opening specific config file in AssignInitStatsValues: %d %s 22-2
NSRV0010 An unauthorized user attempted to modify the NS specific config data 22-2
NSRV0011 Error %d converting the ConnectH to a ConnectionContext 22-2
NSRV0012 There was no connection data in the ConnectionContext 22-3
NSRV0013 Error %d was returned by NSCreate during an %s attempt in %s 22-3
NSRV0014 ShutDown: tx_close %s successfully 22-3
NSRV0015 Listening error: %s 22-3
NSRV0016 Error %d ”%s” from hpss_InitServer during initialization 22-3
NSRV0017 Attempt made to change to illegal fileset Type %d in fileset %s in %s 22-3
NSRV0018 Error %d from hpss_PreInitConnections during initialization: %s 22-4
NSRV0019 Error %d from hsec_Init during initialization 22-4
NSRV0020 Error %d from hpss_InitConnections during initialization: % 22-4
NSRV0021 Error %d from hpss_RegisterService during initialization: %s 22-4
NSRV0022 serv_NotifyDeadConnect: A connection dropped dead? 22-4
NSRV0023 Error %d from hpss_UnregisterService unregistering NS interface 22-4
NSRV0024 CRASH was called from file %s at line number %d 22-5
NSRV0025 Error %d from hpss_InitOfdMgr called from InitializeServer 22-5
NSRV0026 Error %d from hpss_GetOfd while getting an OFD for BFS's SFS file 22-5
NSRV0027 A NULL PathName was passed to TraversePath 22-5
NSRV0028 Length of SymLinkData was < 1 or SymLinkData was NULL in %s 22-5
NSRV0029 Error %d from hpss_FreeOfd freeing %s file OFD in %s 22-6
NSRV0030 Entering procedure %s request from UID %d for Directory %d 22-6
NSRV0031 Only %d groups are allowed, but there are %d in MakeCredentials 22-6
NSRV0032 Error %d from MakeCredentials while mapping the credentials 22-6
NSRV0033 Bit must be either 0 or 1 but was instead: %d in SetBit 22-6
NSRV0034 Error %d was returned by hsec_GenAuthzTkt in MakeTicket 22-6
NSRV0035 Error %d returned by hsec_AuthzToString in MakeTicket 22-7
NSRV0036 Error %d, Status %d from hpss_Seal in MakeTicket 22-7
NSRV0037 Error %d was returned by NSFind while attempting to do an ns_GetAttrs 22-7
NSRV0038 Error %d was returned by %s during a delete

attempt 22-7
NSRV0039 Exiting procedure %s. EndOfDir = %d 22-7
NSRV0040 Couldn't get an object handle to the DotDot directory: %d 22-7
NSRV0041 Error %d (%s) returned from hpss_FindService in ReconnectBFS 22-8
NSRV0042 Error %d (%s) returned from hpss_OpenConnection when connecting to BFS 22-8
NSRV0043 Error %d from NSFind while getting attributes for the %s directory 22-8
NSRV0044 Error %d returned while trying to read a directory in %s 22-8
NSRV0045 Error %d from NSUpdate while setting attributes in ns_SetAttrs 22-8
NSRV0046 Error %d from NSLink while attempting to make a link in ns_MkLink 22-8
NSRV0047 Error %d from NSCreate while making a symbolic link in ns_MkSymLink 22-9
NSRV0048 Error %d from hpss_CloseConnection closing conn to %s in %s 22-9
NSRV0049 Error %d from NSFind trying to read symbolic link in ns_ReadLink 22-9
NSRV0050 Error %d from NSRename trying to change an object name in ns_Rename 22-9
NSRV0051 Error %d from NSDeleteACL deleting an ACL entry in ns_DeleteACL 22-9
NSRV0052 Error %d from NSGetACL while attempting to get ACLs in ns_GetACL 22-9
NSRV0053 Error %d from NSSetACL attempting to set the ACLs in ns_SetACL 22-10
NSRV0054 Error %d from NSUpdateACL updating an ACL list in ns_UpdateACL 22-10
NSRV0055 Sanity check failed getting perms for bad object type %d in GetPermBits 22-10
NSRV0056 Sanity check failed getting perms for bad user type %d in GetPermBits 22-10
NSRV0057 SSM request to lock state or reinit not supported in ns_ServerSetAttrs 22-10
NSRV0058 Error %d while initializing mutex %s in %s 22-10
NSRV0059 Invalid object type (%d) in SelectSFSFile 22-11
NSRV0060 WhichFile has an impossible value (%d) in %s 22-11
NSRV0061 An invalid FilesetName was passed to %s 22-11
NSRV0062 An error occurred initializing the Fileset files. All updates aborted 22-11
NSRV0063 Inconsistency. Couldn’t find a FreeList entry in %s 22-11
NSRV0064 Bad %s (%d) encountered in procedure %s. 22-11
NSRV0065 Asked to change a FILE attribute in AssignAttributes. Can’t be done. 22-12
NSRV0066 Bad object type (%d) detected in NSBlkDelete 22-12
NSRV0067 An illegal switch value (%d) was used in %s, Bits: 0x%08x%08x. 22-12
NSRV0068 Couldn't find the OFD in the OFDList in ReplaceOFD 22-12
NSRV0069 ‘type’ field of ns_TBlockKey_t and ns_TextBlock_t differ in VerifyStructs 22-12
NSRV0070 Illegal object handle type (%d) in %s 22-12
NSRV0071 Error %d (%s) from mm_ReadNS while attempting to read %s in %s 22-13
NSRV0072 Couldn't find FilesetRootRSN %u in %s 22-13
NSRV0073 'origin' field of ns_TBlockKey_t & ns_TextBlock_t differ in VerifyStructs 22-13
NSRV0074 Error %d (%s) from mm_ReadNSxxxxByKey in NSBlkGetByKey 22-13
NSRV0075 Error %d from %d call to TraversePath in %s 22-13
NSRV0076 ShutDown: Closing all OFDs 22-13
NSRV0077 Got error %d from mm_ReadBitFile while in GetFileAttrs 22-14
NSRV0078 Error %d from TraversePath chasing down a symbolic link in ns_GetAttrs 22-14
NSRV0079 ShutDown: tx_close 22-14
NSRV0080 A client is deleting a Comment from object block %d. 22-14
NSRV0081 Bad WhichFile type (%d) used in NSBlkPut 22-14
NSRV0082 22-14
NSRV0082 TraversePath: No sym link data was read from the sym link 22-14
NSRV0083 Entering procedure %s request from UID %d for pathname %s 22-15
NSRV0084 Exiting procedure %s 22-15
NSRV0085 Bad switch value (%d) supplied as a parameter to SetServerState 22-15
NSRV0086 The illegal OperationalState 'ST_DISABLED' was used in SetServerState 22-15
NSRV0087 Error %d from pthread_create in ReconnectSSM 22-15
NSRV0088 Error %d from hpss_FindService getting SSM conn in ReconnectSSMThread 22-15
NSRV0089 Error %d from first call to NSFind chasing sym link in ns_GetAttrs 22-16
NSRV0090 Requested to change admin state to %s in ns_ServerSetAttrs 22-16
NSRV0091 Error %d was returned from NSGetPath in ns_GetName 22-16
NSRV0092 Error %d (%s) from sfs_OpenFile in while trying to open ’%s’ in %s 22-16
NSRV0093 Block %d has a bad 'type' field (%d) in %s 22-16
NSRV0094 Error %d (%s) was returned from sfs_CloseOfd in closing %s 22-16
NSRV0095 cns_blkinit will use the existing %s file, No initialization necessary. 22-17
NSRV0096 Error %d (%s) from %s creating %s %d in %s 22-17
NSRV0097 %s is creating and initializing NEW %s block '%d' 22-17
NSRV0098 Error %d (%s) was returned from mm_ReadCNSObject in %s 22-17
NSRV0099 An attempt was made to get CompositePerms for the Parent object in %s 22-17
NSRV0099 Error %d (%s) was returned from mm_DeleteCNSACLByKey in %s 22-17
NSRV0100 Error %d (%s) from mm_ReadCNSObjectByKey in %s. 22-17
NSRV0101 Error %d (%s) from mm_ReadServerConfigByDescName on SSM in ReadConfig 22-18
NSRV0102 Error %d (%s) from mm_ReadServerConfig reading BFS file in ReadConfig. 22-18
NSRV0103 Error %d (%s) from mm_ReadServerConfigByDescName reading the NS generic config record in %s 22-18
NSRV0104 RSN of the root block is %d instead of %d, as expected in %s 22-18

NSRV0105 The ns_TBlockKey_t structure is not properly formed in VerifyStructs 22-18
NSRV0106 'origin' field of ns_HashKey_t and object block are not same size 22-18
NSRV0107 'origin' field of ns_ParentChildKey_t and object Block not same size 22-19
NSRV0108 'ThisBlock' field of ns_ParentChildKey_t & Object Block not same size 22-19
NSRV0109 The malloc call to get the ContextPtr failed in serv_OpenConnection 22-19
NSRV0110 Error %d while locking mutex %s in %s 22-19
NSRV0111 Error %d while unlocking mutex %s in % 22-19
NSRV0112 Error %d (%s) from sfs_DissociateOfd when dissociating from %s file. 22-20
NSRV0113 Error reading specific config record in AssignInitStatsValues: %d %s 22-20
NSRV0114 Error writing specific config record in AssignInitStatsValues: %d %s 22-20
NSRV0115 The warning threshold for the Name Server has been exceeded! 22-20
NSRV0116 The critical threshold for the Name Server has been exceeded! 22-20
NSRV0117 Error %d from second call to NSFind chasing sym link in ns_GetAttrs 22-21
NSRV0118 Unath user tried to modify the server state data in ns_ServerSetAttrs 22-21
NSRV0119 The call to malloc failed while trying to get space for %s in %s. 22-21
NSRV0120 The call to malloc failed in %s: %s 22-21
NSRV0121 Error %d from hpss_GetOfd getting OFD for %s file in %s 22-21
NSRV0122 Error %d from hpss_GetOfd getting OFD for %S file in %S 22-22
NSRV0123 FilesetId (0x%08x%08x) passed to NSCreate cannot be found in the cache 22-22
NSRV0124 Error %d from hpss_GetOfd getting generic config file OFD in ReadConfig 22-22
NSRV0125 Error %d from hpss_GetOfd getting specif config file OFD in ReadConfig 22-22
NSRV0126 If a %s is supplied, then a %s must also be supplied in %s 22-22
NSRV0127 The Directory and PathName are both NULL in %s 22-22
NSRV0128 >>> The database is FULL!! Going down!! Called from %s. <<< 22-23
NSRV0129 TraversePath: the path name has too many components 22-23
NSRV0130 Error %d from hpss_FindService getting SSM IF in ReconnectSSMThread 22-23
NSRV0131 hpss_OpenConnection error %d getting conn to SSM in ReconnectSSMThread 22-23
NSRV0132 hpss_UnregisterService error %d unregistering connection mngt IF in %s 22-23
NSRV0133 The client supplied BuffSize (%d) was too small in ns_ReadDir 22-23
NSRV0134 A GatewayUUID was supplied for an HPSS Only fileset in %s 22-24
NSRV0135 Error %d from hpss_ReleaseLocks during initialization. 22-24
NSRV0136 Didn't expect FilesetAttrs record with FS name '%s' to exit after creating GlobalFileset record in %s 22-24
NSRV0137 Error %d (%s) from hpss_PreRegisterService from InitializeServer 22-24
NSRV0138 Error %d from RemoveLastLink. An illegal last link was discovered in %s 22-24
NSRV0139 ShutDown: Unregistering services 22-24
NSRV0140 Error %d from cns_find in ns_GetName 22-25
NSRV0141 Error %d from MakeTicket in ns_GetName 22-25
NSRV0142 Stale ObjHandle detected while attempting to delete MetaObject %d. 22-25
NSRV0143 Error %d from sigwait in SignalThread 22-25
NSRV0144 Received a %s signal in SignalThread 22-25
NSRV0145 Error %d. Only the owner can %s ACLs in %s. 22-25
NSRV0146 A client attempted to delete a non-existent %s. 22-26
NSRV0147 An attempt is being made to change the Type of the root fileset to a value other than HPSS_ONLY in %s 22-26
NSRV0148 The Location of FOREIGN ACL entry types must be foreign, not zero. 22-26
NSRV0149 The Location field of 'local' ACL entries must be %d, not %d in %s 22-26
NSRV0150 Got SSM request to set admin state to UNLOCKED in ns_ServerSetAttrs 22-26
NSRV0151 Bad WhichFile type (%d) used in NSBlkAdd 22-26
NSRV0152 Entering procedure %s request from UID %d 22-27
NSRV0153 The EntryId must be set to zero in this type (%d) of ACL entry. ACL EntryId=%d, This Block=%d : %s 22-27
NSRV0154 Field(s) %s were negative in Fileset 0x%08x%08x. %s set the values to zero in the FilesetAttrs file, but the value(s) should eventaully be corrected. 22-27
NSRV0155 %s returned an error %d (%s) in %s 22-27
NSRV0156 Bad value (%d) for Unix permissions in cns_GetPermBits 22-27
NSRV0157 Error (%d) returned from %s in %s. Fileset name %s with id (0x%08x%08x) 22-28
NSRV0158 Illegal Option (0x%08x) and/or ObjType (0x%04x) passed to %s, %s. 22-28
NSRV0159 Type field (%d) from fetched block %d is not a legal Type in cns_blkget 22-28
NSRV0160 Fetched block has Type %d, but should have %d in NSBlkGet 22-28
NSRV0161 An AcsTicket was not supplied during an attempt to set the BFId in %s 22-28
NSRV0162 The AcsTicket and BFId do not match in %s 22-28
NSRV0163 Got an impossible NotificationType (%d) in NotifySSM 22-29
NSRV0164 Error %d was returned by hsec_CheckAuthzTkt in VerifyBFId 22-29
NSRV0165 Error %d was returned by hsec_AuthzFromString in VerifyBFId 22-29
NSRV0166 Error %d and Status %d returned by hpss_Unseal in VerifyBFId 22-29
NSRV0167 Error %d was returned by pthread_cond_init in %s 22-29
NSRV0168 Error %d was returned by hpss_GetServerID in %s. 22-29
NSRV0169 Error %d from hsec_UcredAudit in SendSecAudit 22-30
NSRV0170 Error %d from %s. Tried to set MaxRecords 22-30

NSRV0171 Error %d returned from pthread_cond_timedwait in %s 22-30
NSRV0172 TraversePath: a component of the pathname is too long 22-30
NSRV0173 Error %d returned by pthread_create in %s 22-30
NSRV0174 Error %d was returned by NSFind in TraversePath. Name/
%s 22-30
NSRV0175 Error %d returned by NSFind fetching sym link data in TraversePath 22-31
NSRV0176 Error %d returned by hpss_GetOfd in InitBFSMetaDataFileName 22-31
NSRV0177 Error %d (%s) from mm_ReadServerConfig in InitBFSMetaDataFileName 22-31
NSRV0178 Error %d (%s) returned by mm_ReadBFS in InitBFSMetaDataFileName 22-31
NSRV0179 Configuration mismatch between the Name Server and Bitfile Server 22-31
NSRV0180 Got an INVALID_OFD in %s following call to %s. InvalidOFDCount=%d 22-31
NSRV0181 CloseError=%d, OpenError=%d following the call to %s in %s 22-32
NSRV0182 Invalid dir while processing small buffer in ns_ReadDir: NOE=%d, OS=%d 22-32
NSRV0183 Unknown EntryType %d in %s. 22-32
NSRV0184 The supplied Descriptive Name is too long in InitializeServer 22-32
NSRV0185 Saw inited block after seeing UNinited block at RSN %d in cns_blkinit 22-32
NSRV0186 Saw UNinited block after seeing inited block at RSN %d in %s 22-32
NSRV0187 NSTRACE: %s 22-33
NSRV0188 Error %d was returned by GetDotDot (called from TraversePath) 22-33
NSRV0189 Error %d was returned by the recursive call to TraversePath 22-33
NSRV0190 Empty block couldn't be found in %s: FreeObjectId=%d, NotDeletedObj=%d 22-33
NSRV0191 The MaxByteSizeOfBuffer is %d, but must always be less than %d. %s 22-33
NSRV0192 WARNING: WARNING Insert had to read 5 records that were really in-use 22-34
NSRV0193 Can't use both the %s and the %s options when updating ACL entries in %s 22-34
NSRV0194 Bad ACL EntryType %d detected in %s. 22-34
NSRV0195 Can't say CALCULATE_MASK and then supply a MaskObj in %s. 22-34
NSRV0196 Adding ACL with EType %d and EId %d would turn on the IneffectivePerms. 22-34
NSRV0197 An attempt was made to add ACL(s) that would result in a higher MaskObj. 22-34
NSRV0198 An attempt was made to set the %s with illegal perms (0x%x) in %s. 22-35
NSRV0199 ACL conformant array was NULL or Length (%d) was less than 1 in %s. 22-35
NSRV0200 Bad status %d from search_for_name 22-35
NSRV0201 Not allowed to set field %d in %s 22-35
NSRV0202 EntryId %d is not a legal group for UID %d in block %d: %s. 22-35
NSRV0203 Error: not owner 22-35
NSRV0204 Only the root user can perform the indicated operation
%s in %s 22-36
NSRV0205 Error: not file object 22-36
NSRV0206 Unrecognized bits (0x%x) were 'on' in the ACLOptions in %s. 22-36
NSRV0207 Error
GID %d not in GID list in %s 22-36
NSRV0208 User with UID %d does not have permission to update the Comment in %s 22-36
NSRV0209 Error %d getting comment block 22-36
NSRV0210 Error %d setting comment block 22-37
NSRV0211 The supplied MACSecLabel is too large in %s 22-37
NSRV0212 Bad object type %d was passed to NSCreate. 22-37
NSRV0213 Wrong database version for this NS. Database is v %d, NS is v %d 22-37
NSRV0214 Bad ATTRINDEX value %d was supplied in %s 22-37
NSRV0215 Directory %d is not a directory, %s 22-37
NSRV0216 File %s already exists in directory %d, %s 22-38
NSRV0217 Error %d setting extended name 22-38
NSRV0218 Generation numbers 0x%x (C) and 0x%x (O) don't match for object %d 22-38
NSRV0219 Directory permissions inadequate 22-38
NSRV0220 File permissions inadequate 22-38
NSRV0221 WARNING from %s
The upper bit is not set (on) in the Root FilesetId. This should be fixed!. 22-38
NSRV0222 Error %d getting extended name 22-39
NSRV0223 A directory must be supplied to ReadDir, NOT type 0x%02x, %s 22-39
NSRV0224 Entering procedure %s request from UID %d. FilesetId %s, RSN %s 22-39
NSRV0225 Rename to already existing file 22-39
NSRV0226 Requested rename would create orphan 22-39
NSRV0227 Same directory & different generation nos 22-39
NSRV0228 Unknown AttributeIndex %d found in %s 22-40
NSRV0229 Error %d returned by CheckACLs which was called from AuthCheck 22-40
NSRV0230 Error %d returned by NSBlkGetByKey which was called from %s 22-40
NSRV0231 Unknown type (%d) encountered in the ACL (called by CheckACL) 22-40
NSRV0232 Error %d was returned from %s in %s 22-40
NSRV0233 Non-root user %d attempted to create a Junction object in %s 22-41
NSRV0234 Non-existent ACL(s) supplied to NSDeleteACL 22-41
NSRV0235 An illegal ACL permission (0x%x) was detected in %s 22-41
NSRV0236 A consistency check (%d) failed in %s 22-41
NSRV0237 The SubTreeHandle for Junction must be type Directory/FilesetRoot in %s 22-41
NSRV0238 Junction and Fileset objects can only be created, deleted, and updated by the Root user. Not %d 22-41
NSRV0239 Delete option %d was requested, but object type was %d 22-42
NSRV0240 Illegal Delete option %d was detected 22-42
NSRV0241 Consistency failure in %s: ACLBlockP is NULL, NmACLs=%d, NewBlk.ACLBI=%d 22-42
NSRV0242 The UUID in the NS object handle does not match the NS's UUID in %s 22-42
NSRV0243 An attempt was made to set the DMHandleLength in %s 22-42
NSRV0244 An attempt was made to set the read-only field %s

in %s 22-42
NSRV0245 Addition of this object would cause the hlinks field to overflow in %s. 22-43
NSRV0246 Illegal Option 0x%08x was passed to %s 22-43
NSRV0247 PathName too long while processing %s error in %s: %d 22-43
NSRV0248 The NS database is full! Add more space or delete some entries: %s 22-43
NSRV0249 SpecificConfig field %s is bad in %s. Initialization cannot proceed 22-43
NSRV0250 An attempt was made to delete the root fileset at location %d in %s 22-43
NSRV0251 %s cannot be NULL in %s 22-44
NSRV0252 %s mismatch from %s in %s. 22-44
NSRV0253 The %s is required in the Input Attributes in %s 22-44
NSRV0254 Fileset and Object attributes are required in %s 22-44
NSRV0255 %s cannot be supplied in %s 22-44
NSRV0256 Unable to locate %s Cache entry that should be present in %s 22-45
NSRV0257 Error %d attempting to add Fileset to Cache in %s 22-45
NSRV0258 Changing Fileset's %s from %s to %s in Fileset %s with name '%s' 22-45
NSRV0259 An attempt was made to delete the root directory in %s 22-45
NSRV0260 An attempt was made to set unsupported %s in %s 22-45
NSRV0261 Only Root can change the EntryId or Loc fields in the USER_OBJ: ACL.EntryId=%d, FB.UID=%d, ACL.Loc=%d, FB.Loc=%d, ThisBlock=%d: %s 22-45
NSRV0262 Both the FilesetHandle and the FilesetId were NULL in %s 22-46
NSRV0263 Error %d from hsec_Get_TCellInfo_from_Loc in InitializeServer 22-46
NSRV0264 WARNING! The DCECellId returned by Get_TCellInfo_from_Loc is '0' 22-46
NSRV0265 The Location field of a MASK_OBJ or UNAUTHMASK must always be zero. ACL.Loc=%d, ThisBlock=%d: %s 22-46
NSRV0266 Attempting to change %s fileset name '%s' or filesetID 0x%08x%08x to fileset name '%s' or filesetID 0x%08x%08x in %s 22-46
NSRV0267 WARNING: %s is out of range (%d) in %s. Fixed 22-47
NSRV0268 %s PathName which ends with one or more slashes is too small after slashes are removed in call to %s. 22-47
NSRV0269 Fileset with name '%s' has a bad GatewayUUID in %s 22-47
NSRV0270 A bad input %s was detected in %s 22-47
NSRV0271 The HowMany parameter is zero in %s 22-47
NSRV0272 The Fileset is marked DESTROYED and cannot be accessed in %s 22-48
NSRV0273 The Fileset permissions do not allow %s. From %s 22-48
NSRV0274 In VerifyStructs HPSS_MAX_COMMENT_LENGTH is not 255! 22-48
NSRV0275 Attempt to set DMHandle failed. DMHandleLength (%d) was too big in %s 22-48
NSRV0276 Attempt to set the FilesetName failed because the new name was too long 22-48
NSRV0277 Client FilesetId 0x%08x%08x does not match the Fileset: OH=%d, PRSN=%d 22-49
NSRV0278 The random number generator won't generate non-zero numbers in %s 22-49
NSRV0279 Got unrecoverable OFD_INVALID error from %s in %s 22-49
NSRV0280 Can't recover from %s error. %s called from %s. %s 22-49
NSRV0281 Waiting %d secs in attempt to recover from error %s from %s in %s. %s 22-49
NSRV0282 %s: Got error %d (%s) from %s in %s 22-50
NSRV0283 Found %s entry in FS cache table. %s error. FSId=0x%08x%08x, RSN=%u. %s 22-50
NSRV0284 The %s field in the %s record is negative. It was corrected in %s 22-50
NSRV0285 The %s was negative in the cached copy of Fileset 0x%08x%08x. The cached copy was corrected in %s 22-50
NSRV0286 The %s must be supplied in the %s when creating %s in %s 22-50
NSRV0287 NL (%d) and strlen of Name (%d) disagree block %d. Fixing name %s in %s 22-51
NSRV0288 NL %d and strlen of Name %d disagree in block %d in %s. Look at name %s 22-51
NSRV0289 Couldn't find fileset 0x%08x%08x while trying to restore it in %s 22-51
NSRV0290 Fileset cache entry not found in cache after seeing it in there in %s 22-51
NSRV0291 %s (%d) returned by tran_GetLocalState is very bad in %s 22-51
NSRV0292 A Fileset transaction of type %d was aborted in %s 22-52
NSRV0293 Got TranOutcome value %d from call to tran_GetLocalState in %s 22-52
NSRV0294 Got a Callback Operation value of %d. This is impossible. In %s 22-52
NSRV0295 Couldn't find fileset 0x%08x%08x in the cache in %s 22-52
NSRV0296 Consistency check failure in %s: Case=%d, SourceL=%d, SinkL=%d 22-52
NSRV0297 Expected type file, but got type 0x%x from block %d in %s 22-52
NSRV0298 Attempt to create %s by non-root/non-priviledged client %d in %s 22-53
NSRV0299 Gateway with UUID %s attempted to create in fileset 0x%08x%08x in %s 22-53
NSRV0300 Fileset record whose root object is at RSN %d could not be found in %s 22-53
NSRV0301 Attempt to link file with root RSN %d to dir %d with root RSN %d in %s 22-53
NSRV0302 Attempt to create a non Local (%d) fileset with a zero GatewayUUID in %s 22-53
NSRV0303 Attempt to create non Local fileset without supplying GatewayUUID in %s 22-54
NSRV0304 Got Status %d and WhichFile is 0x%02x in %s 22-54
NSRV0305 Major inconsistency: WhichFile is %d, Options is 0x%08x in %s 22-54
NSRV0306 Major inconsistency in %s (0x%08x) in %s 22-54
NSRV0307 Global FilesetName '%s' with FSId 0x%08x%08x does not match RootFilesetName '%s' in SpecificConfig file in %s. Changing the SpecificConfig record! 22-54

NSRV0308 %s don't match for fileset '%s' (0x%08x%08x) in %s 22-55
NSRV0309 Root FSAttrs rec is MISSING for FS '%s' (0x%08x%08x)! Creating it in %s 22-55
NSRV0310 Error %d (%s) from %s creating ObjBlock %d during initialization in %s 22-55
NSRV0311 Error %d (%s) from %s %s FS '%s' with FSId 0x%08x%08x in %s 22-55
NSRV0312 Global FS '%s' (0x%08x%08x) exists, but has no matching FSAttrs FS in %s 22-55
NSRV0313 FilesetAttrs record with FilesetName %s has a bad Type field (%d) in %s 22-56
NSRV0314 FSHandle in FSAttrs rec '%s' doesn't match handle to Root fileset in %s 22-56
NSRV0315 The FilesetCache was reloaded on %s in %s 22-56
NSRV0317 Consistency check failure. OBlock %d is supposed to be a Junction in %s 22-56
NSRV0318 Error %d (%s) from mm_UpdateALLNS while attempting to update %s in %s 22-56
NSRV0319 The %s must be %d not %d in %s 22-57
NSRV0320 Illegal Option (0x%08x) and/or ObjType (0x%04x) passed to %s. Loc %d, %s 22-57
NSRV0321 An invalid FilesetId (0x%08x%08x) was passed to %s 22-57
NSRV0322 In %s the pathname for ObjectId=%d is too long 22-57
NSRV0323 Error %d from %d call to %s in %s 22-57
NSRV0324 Bad %s parameter(s) supplied to %s where %s = '%s' 22-57
NSRV0326 An attempt was made to create an object with a non-zero FamilyId in %s 22-58
NSRV0327 An attempt was made to set the FamilyId in %s 22-58
NSRV0328 The value of the FamilyId in object block %d is not zero in %s 22-58
NSRV0329 Access is denied: IntendedOp is 0x%02x, AvailablePerms is 0x%02x in %s 22-58
NSRV0330 Could not find entry with FilesetId 0x%08x%08x in the cache in %s 22-58
NSRV0331 The transaction Ids don’t match in the %s macro in %s 22-58
NSRV0332 Dumping the TX ring buffer in %s 22-59
NSRV0333 Sanity check failure in END_TRANSACTION: Unexplained abort in %s. 22-59
NSRV0334 Sanity check failure in END_TRANSACTION: Trans Ids don’t match in %s. 22-59
NSRV0335 %s has updated the Type of EXISTING %s block ‘%d’. 22-59

P

PVLS0001 Entering <function> 23-1
PVLS0002 Exiting <function> 23-1
PVLS0004 Returned <function> 23-1
PVLS0006 Job canceled, client notify failed, jobid = <jobid> 23-1
PVLS0011 Dismount reason: no request ready 23-2
PVLS0012 Dismount reason: no request pending 23-2
PVLS0014 PVL Shutdown 23-2
PVLS0016 Malloc failed (or) Malloc failed, function = <function name> 23-2
PVLS0017 Job deleted on restart, inconsistent, jobid = <jobid> 23-2
PVLS0021 DCE error, function = ss_MountCallback 23-2
PVLS0022 SSM config data missing, will not contact SSM, arg = <uuid of SSM> 23-3
PVLS0023 PVR config data missing, will not contact PVR, arg = <uuid of PVR> 23-3
PVLS0025 SIGNAL 23-3
PVLS0026 job deleted on restart, Drive Queue inconsistent (or) Drive Queue inconsistent, jobid = <jobid> 23-3
PVLS0029 Number of drives changed, drive = <count of drives PVR is supposed to have> 23-3
PVLS0030 Drive in use 23-4
PVLS0034 Dismount reason: restart, no request pending 23-4
PVLS0036 Dismount reason: mounted on wrong drive 23-4
PVLS0040 Gave up after many tries 23-4
PVLS0041 Dismount reason: mount failed 23-4
PVLS0042 Dismount reason: wrong volume on drive 23-5
PVLS0043 Dismount reason: unlabeled 23-5
PVLS0044 Dismount reason: foreign label 23-5
PVLS0045 Dismount reason: non-labeled 23-5
PVLS0046 Dismount reason: wrong PVR 23-6
PVLS0047 Cache overflow 23-6
PVLS0050 Internal error, arg = AvailDrives or arg = DriveTableLimit exceeded or arg = Drive Queue inconsistency 23-6
PVLS0051 Client attempted to mount a volume it does not have allocated 23-6
PVLS0052 Volume allocated to another client 23-6
PVLS0053 Cache Underflow 23-6
PVLS0054 No drives of this type in this PVR 23-7
PVLS0055 Invalid DriveOption and/or DriveCount 23-7
PVLS0056 Job not found in queue 23-7
PVLS0057 Drive Type conflict 23-7
PVLS0058 Operation improper for this job type 23-7
PVLS0059 Operation invalid in this job state 23-7
PVLS0060 Operation requested by improper client 23-8
PVLS0061 Invalid Drive ID 23-8
PVLS0062 Mounted on disabled drive 23-8
PVLS0063 Job recovery failed due to metadata inconsistency 23-8
PVLS0065 Drive/Job metadata inconsistency 23-8
PVLS0066 PVR uuid Not found 23-8
PVLS0067 DriveList excludes all enabled drives 23-9
PVLS0068 Volume not found in metadata 23-9
PVLS0069 Cartridge already included in this job 23-9
PVLS0070 Import cancelled due to mount failure 23-9
PVLS0072 Import cartridge already exists 23-9
PVLS0073 Volume not found in job 23-9
PVLS0074 Function not allowed for Generic object 23-10
PVLS0075 Not enough drives of this type (in this PVR) for this request 23-10
PVLS0076 All drives of this type (in this PVR) are disabled 23-10
PVLS0077 Number of volumes changed 23-10
PVLS0078 Gave up pvr_MountCompleted after many tries 23-10
PVLS0079 Drive Queue Inconsistent, job removed from queue temporarily 23-10
PVLS0080 Move: Cartridge already in Destination PVR 23-11
PVLS0081 Drive disabled 23-11
PVLS0082 Operation invalid on non-removable media 23-11
PVLS0083 Drive already exists 23-11
PVLS0084 MVR config data missing, will not contact MVR 23-11
PVLS0086 Non-removable import failed - VolumeID not

found 23-11
PVLS0087 Function not allowed while volume is allocated 23-12
PVLS0088 Dismount reason: label verified 23-12
PVLS0089 Dismount reason: label types differ 23-12
PVLS0090 Dismount failed: 23-12
PVLS0091 Connection re-established 23-12
PVLS0092 Connection to PVR failed 23-12
PVLS0093 Failure setting thread cancellability 23-13
PVLS0094 Dismount of volume Deferred 23-13
PVLS0095 Volume mounted(was Dismount Deferred) 23-13
PVLS0096 Defer Dismounts in PVR 23-13
PVLS0097 Do Not Defer Dismounts in PVR 23-13
PVLS0098 Dismounting Deferred Volume 23-13
PVLS0099 Job dismounted/deleted on restart, deferred dismount 23-14
PVLS0100 Fatal initialization error: 23-14
PVLS0101 Cartridge is busy in another job 23-14
PVLS0102 Gave up Elevate: Drive Disabled 23-14
PVLS0103 Dismounted activity still in job 23-14
PVLS0104 Activity Released 23-14
PVLS0105 Shelf Tape in PVR 23-15
PVLS0106 Do Not Shelf Tape in PVR 23-15
PVLS0107 Recover shelf tape request 23-15
PVLS0109 Not enough drives unlocked or configured to satisfy job 23-15
PVLS0110 Activity previously in mount pending is now dismount pending 23-15
PVRS0001 Metadata manager error 24-1
PVRS0002 Device error 24-1
PVRS0003 SFS error 24-1
PVRS0032 "Repository Cartridge Threshold" 24-1
PVRS0034 Error notifying SSM of attribute change 24-2
PVRS0035 Malloc returned NULL 24-2
PVRS0040 DCE Error 24-2
PVRS0041 Error spawning thread 24-2
PVRS0044 Ejecting Cartridge <cartridge>, manufacturer=<manufacturer>, began service <date>, last maintained <date>, total mounts <number of mounts>, mounts since last maintained=<number since last maint> 24-2
PVRS0045 Security Error 24-3
PVRS0046 Ampex call returned an unknown error to log map routine, cartridge = <cartridge>, drive = <drive> 24-3
PVRS0050 Exiting ampex device_Dismount 24-3
PVRS0052 Exiting ampex device_Inject 24-3
PVRS0061 Error Locking AmpexLibLock 24-3
PVRS0062 Error Unlocking AmpexLibLock 24-3
PVRS0066 Ampex chosen name conflicts with existing name, cartridge = <cartridge>, drive = <drive> 24-4
PVRS0067 Ampex no data was found, cartridge = <cartridge>, drive = <drive> 24-4
PVRS0068 Ampex medium is mounted, and shouldn't be, cartridge = <cartridge>, drive = <drive> 24-4
PVRS0069 Ampex resource is locked, cartridge = <cartridge>, drive = <drive> 24-4
PVRS0070 Ampex access is denied, cartridge = <cartridge>, drive = <drive> 24-4
PVRS0072 Ampex incorrect number or invalid arguments passed, cartridge = <cartridge>, drive = <drive> 24-4
PVRS0073 Ampex resource not available, cartridge = <cartridge>, drive = <drive> 24-5
PVRS0074 Ampex DCD Unknown error, cartridge = <cartridge>, drive = <drive> 24-5
PVRS0075 Ampex media type not supported, cartridge = <cartridge>, drive = <drive> 24-5
PVRS0076 Ampex request for resource timed out, cartridge = <cartridge>, drive = <drive> 24-5
PVRS0077 Ampex resource cannot be reached, cartridge = <cartridge>, drive = <drive> 24-5
PVRS0078 Ampex library miniserver is down, cartridge = <cartridge>, drive = <drive> 24-5
PVRS0079 Ampex server is not reachable or is not responding, cartridge = <cartridge>, drive = <drive> 24-5
PVRS0080 Ampex client daemon is not reachable or is not responding, cartridge = <cartridge>, drive = <drive> 24-6
PVRS0081 Ampex internal error on client daemon, cartridge = <cartridge>, drive = <drive> 24-6
PVRS0082 Ampex internal error on miniserver, cartridge = <cartridge>, drive = <drive> 24-6
PVRS0083 Ampex internal error on drive control daemon, cartridge = <cartridge>, drive = <drive> 24-6
PVRS0084 Ampex database has failed (oracle failure), cartridge = <cartridge>, drive = <drive> 24-6
PVRS0085 Ampex internal error on OIS, cartridge = <cartridge>, drive = <drive> 24-6
PVRS0086 Ampex operator interface server down, cartridge = <cartridge>, drive = <drive> 24-6
PVRS0087 Ampex DCD IO error, cartridge = <cartridge>, drive = <drive> 24-7
PVRS0088 Ampex no resources available, cartridge = <cartridge>, drive = <drive> 24-7
PVRS0089 Ampex deadlock detected for a requested resource, cartridge = <cartridge>, drive = <drive> 24-7
PVRS0090 Ampex internally detected bad data value, cartridge = <cartridge>, drive = <drive> 24-7
PVRS0091 Ampex requested operation encountered syntax error (config file), cartridge = <cartridge>, drive = <drive> 24-7
PVRS0092 Ampex unknown drive, cartridge = <cartridge>, drive = <drive> 24-7
PVRS0093 Ampex unknown medium, cartridge = <cartridge>, drive = <drive> 24-8
PVRS0094 Ampex unknown volume, cartridge = <cartridge>, drive = <drive> 24-8
PVRS0095 Ampex unknown location, cartridge = <cartridge>, drive = <drive> 24-8
PVRS0096 Ampex unknown pool, cartridge = <cartridge>, drive = <drive> 24-8
PVRS0097 Ampex unknown dst, cartridge = <cartridge>, drive = <drive> 24-8
PVRS0098 Ampex unknown VFI - no medium with that VFI, cartridge = <cartridge>, drive = <drive> 24-8
PVRS0099 Ampex medium is evicted, and needs to be introduced, cartridge = <cartridge>, drive = <drive> 24-9
PVRS0100 Ampex format mismatch, cartridge = <cartridge>, drive = <drive> 24-9
PVRS0101 Ampex vfi mismatch, cartridge = <cartridge>, drive = <drive> 24-9
PVRS0102 Ampex no imex slots available, cartridge = <cartridge>, drive = <drive> 24-9
PVRS0103 Ampex no operator, cartridge = <cartridge>, drive

= <drive> 24-9
PVRS0104 Ampex medium is dismounted, and should be mounted, cartridge = <cartridge>, drive = <drive> 24-9
PVRS0105 Ampex medium is not evicted, needs to be evicted, cartridge = <cartridge>, drive = <drive> 24-10
PVRS0106 Ampex function not currently implemented, cartridge = <cartridge>, drive = <drive> 24-10
PVRS0107 Ampex resource is unknown to server, cartridge = <cartridge>, drive = <drive> 24-10
PVRS0108 Ampex sequence number is unknown to client daemon, cartridge = <cartridge>, drive = <drive> 24-10
PVRS0109 Ampex request is blocking, cartridge = <cartridge>, drive = <drive> 24-10
PVRS0110 Ampex client library call received unexpected callback, cartridge = <cartridge>, drive = <drive> 24-10
PVRS0111 Ampex resource available for queuing but not use, cartridge = <cartridge>, drive = <drive> 24-11
PVRS0112 Ampex unknown sequence number, cartridge = <cartridge>, drive = <drive> 24-11
PVRS0113 Ampex client detect of bad callback type, cartridge = <cartridge>, drive = <drive> 24-11
PVRS0116 Ampex generic failure, cartridge = <cartridge>, drive = <drive> 24-11
PVRS0117 Ampex lock attempted, already pending, cartridge = <cartridge>, drive = <drive> 24-11
PVRS0118 Ampex database not consistent, cartridge = <cartridge>, drive = <drive> 24-11
PVRS0119 Ampex DCD configuration error, cartridge = <cartridge>, drive = <drive> 24-12
PVRS0121 Ampex Unknown error, cartridge = <cartridge>, drive = <drive> 24-12
PVRS0122 Ampex vfi id conflicts with existing vfi id, cartridge = <cartridge>, drive = <drive> 24-12
PVRS0123 Ampex child resource operation disallowed due to parent state, cartridge = <cartridge>, drive = <drive> 24-12
PVRS0124 Ampex lowest completion code that should inspire failure, cartridge = <cartridge>, drive = <drive> 24-12
PVRS0125 Ampex ACL is down, cartridge = <cartridge>, drive = <drive> 24-12
PVRS0126 Ampex request canceled, cartridge = <cartridge>, drive = <drive> 24-13
PVRS0127 Ampex DCD down, cartridge = <cartridge>, drive = <drive> 24-13
PVRS0128 Ampex internal error on server, cartridge = <cartridge>, drive = <drive> 24-13
PVRS0129 Ampex requested operation is illegal, cartridge = <cartridge>, drive = <drive> 24-13
PVRS0130 Ampex memory fault internal to module, cartridge = <cartridge>, drive = <drive> 24-13
PVRS0131 Ampex server has insufficient disk, cartridge = <cartridge>, drive = <drive> 24-13
PVRS0132 Ampex medium is mounted, needs to be dismounted, cartridge = <cartridge>, drive = <drive> 24-14
PVRS0133 Ampex volume is mounted, needs to be dismounted, cartridge = <cartridge>, drive = <drive> 24-14
PVRS0134 Ampex failed drive, cartridge = <cartridge>, drive = <drive> 24-14
PVRS0135 Ampex can't position medium or robot to given address, cartridge = <cartridge>, drive = <drive> 24-14
PVRS0136 Ampex date does not exist logging or other information, cartridge = <cartridge>, drive = <drive> 24-14
PVRS0137 Ampex device (tape or robot) experienced an unrecoverable error, cartridge = <cartridge>, drive = <drive> 24-14
PVRS0138 Ampex operator interface not reachable or not responding, cartridge = <cartridge>, drive = <drive> 24-15
PVRS0139 Ampex required component not locked to calling process, cartridge = <cartridge>, drive = <drive> 24-15
PVRS0140 Robot unable to find cartridge, cartridge = <cartridge> 24-15
PVRS0141 STK unable to dismount cartridge due to audit, will retry, cartridge = <cartridge>, drive = <drive> 24-15
PVRS0142 STK library unavailable, cartridge = <cartridge>, drive = <drive> 24-15
PVRS0143 STK drive offline, cartridge = <cartridge>, drive = <drive> 24-15
PVRS0144 STK LSM offline, cartridge = <cartridge>, drive = <drive> 24-16
PVRS0145 STK unable to eject cartridge(s) 24-16
PVRS0146 STK unable to eject cartridges(s), will retry 24-16
PVRS0147 STK library unavailable, will retry 24-16
PVRS0148 STK drive offline, will retry, cartridge = <cartridge>, drive = <drive> 24-16
PVRS0149 STK LSM offline, will retry, cartridge = <cartridge>, drive = <drive> 24-16
PVRS0150 STK CAP offline, will retry 24-16
PVRS0151 STK CAP offline 24-17
PVRS0153 STK silo full, operation failed, cartridge = <cartridge>, drive = <drive> 24-17
PVRS0154 STK audit in progress, operation failed, cartridge = <cartridge>, drive = <drive> 24-17
PVRS0155 STK hardware defined in HPSS does not exist, cartridge = <cartridge>, drive = <drive> 24-17
PVRS0156 STK detected duplicate cartridge label, cartridge = <cartridge>, drive = <drive> 24-17
PVRS0157 STK software unable to communicate with LMU, cartridge = <cartridge>, drive = <drive> 24-18
PVRS0158 STK found cartridge in unexpected location, cartridge = <cartridge>, drive = <drive> 24-18
PVRS0159 STK cartridge has a missing or unreadable external label, cartridge = <cartridge>, drive = <drive> 24-18
PVRS0160 STK cartridge in use or locked by non-HPSS application, cartridge = <cartridge>, drive = <drive> 24-18
PVRS0161 STK denied access to cartridge or command, cartridge = <cartridge>, drive = <drive> 24-18
PVRS0162 STK attempted to mount media in incompatible drive, cartridge = <cartridge>, drive = <drive> 24-19
PVRS0163 STK ACS offline or idle, cartridge = <cartridge>, drive = <drive> 24-19
PVRS0164 STK has no CAP with priority greater than 0 that is not in automatic enter mode, cartridge = <cartridge>, drive = <drive> 24-19
PVRS0165 STK port is offline, cartridge = <cartridge>, drive

= <drive> 24-19
PVRS0166 STK gave unexpected return code or STK gave unexpected return code, cartridge = <cartridge>, drive = <drive> 24-19
PVRS0169 Unable to determine number of cartridges, using old value 24-19
PVRS0170 Number of cartridges changed since PVR was last started 24-20
PVRS0173 Software error detected 24-20
PVRS0174 STK drive in use or locked by non-HPSS application, cartridge = <cartridge>, drive = <drive> 24-20
PVRS0175 STK drive not currently mounted, cartridge = <cartridge>, drive = <drive> 24-20
PVRS0176 3494 equipment check 24-20
PVRS0177 3494 library manager offline 24-20
PVRS0178 3494 control unit and library manager incompatible 24-21
PVRS0179 3494 cartridge in use 24-21
PVRS0180 3494 output stations full, need to be unloaded 24-21
PVRS0181 3494 found missing cartridge 24-21
PVRS0182 3494 vision system failure 24-21
PVRS0183 3494 operator intervention required 24-21
PVRS0184 3494 unexpected event occurred 24-21
PVRS0185 3494 all slots are full 24-22
PVRS0186 3494 ejected cartridge with label identical to one already in library 24-22
PVRS0187 3494 cartridge has a missing or unreadable external label 24-22
PVRS0188 3494 cartridge removed by operator 24-22
PVRS0189 3494 out of cleaning cartridges 24-22
PVRS0190 3494 unexpected cartridge ejected 24-22
PVRS0191 3494 I/O station door opened, must be closed for eject to complete 24-22
PVRS0192 3494 drive exception or failure detected 24-23
PVRS0193 3494 environmental alert -- smoke detected 24-23
PVRS0194 3494 I/O station state changed 24-23
PVRS0195 3494 library operational state changed 24-23
PVRS0196 3494 operation canceled by software 24-23
PVRS0197 3494 operation canceled due to error or because library put in manual mode 24-23
PVRS0198 3494 hardware failure detected 24-23
PVRS0199 3494 cartridge missing or inaccessible 24-24
PVRS0200 3494 no longer has cartridge in library 24-24
PVRS0201 3494 device offline or locked by non-HPSS application 24-24
PVRS0202 3494 cartridge damaged 24-24
PVRS0203 3494 library manager or device not configured or inaccessible 24-24
PVRS0204 3494 command port device defined by HPSS_3494_COMMAND_DEVICE environment variable (default /dev/lmcp0) does not exist, is in use by another process, or is not a command port 24-24
PVRS0205 3494 async port 0 device defined by HPSS_3494_ASYNC_DEVICE environment variable (default /dev/lmcp1) does not exist, is in use by another process, or is not an async port 0 24-25
PVRS0206 3494 device in use 24-25
PVRS0207 3494 hardware defined in HPSS does not exist 24-25
PVRS0208 3494 returned unexpected error message 24-25
PVRS0210 3494 no available output locations to eject cartridge, will retry 24-25
PVRS0211 3494 no available output locations to eject cartridge, eject failed 24-25
PVRS0213 3494 command port device is now accessible 24-26
PVRS0214 3494 async port 0 device is now accessible 24-26
PVRS0215 3494 sending too many notifications, some lost 24-26
PVRS0218 3494 cartridge mounted, unable to eject, eject failed 24-26
PVRS0221 Unable to open SFS file 24-26
PVRS0223 Unable to update PVR Server Specific Configuration information 24-26
PVRS0224 Unable to read Cartridge metadata 24-26
PVRS0225 Unable to update Cartridge metadata 24-27
PVRS0226 Unable to create a new entry in Cartridge metadata 24-27
PVRS0228 Unable to confirm client's identity 24-27
PVRS0229 Client requested mount of a cartridge side that does not exist 24-27
PVRS0230 The PVR was told that it mounted a cartridge which is not defined in metadata 24-27
PVRS0231 The PVR was told that a cartridge was mounted, but was not told which drive 24-27
PVRS0232 hpss_PreInitConnections failed, PVR Terminating 24-27
PVRS0233 hpss_PreRegisterService failed, PVR Terminating 24-28
PVRS0234 hpss_InitConnections failed, PVR Terminating 24-28
PVRS0235 hpss_RegsiterService failed, PVR Terminating 24-28
PVRS0236 PVR signal handling thread encountered an error and is exiting 24-28
PVRS0237 Unable to read PVR Generic Server Configuration 24-28
PVRS0238 Unable to read SSM Generic Server Configuration 24-28
PVRS0239 Unable to read PVL Generic Server Configuration 24-28
PVRS0240 Unable to read the Generic cartridge metadata 24-29
PVRS0244 Could not initialize security services 24-29
PVRS0245 Unexpected abort from Encina transaction 24-29
PVRS0246 A cartridge was unexpectedly found mounted 24-29
PVRS0247 The PVR was asked to eject a cartridge that had already been removed from the robot 24-29
PVRS0248 Invalid Drive Address in STK PVR 24-29
PVRS0249 Invalid Drive Address in 3494 PVR 24-29
PVRS0250 Error loading drive information from metadata 24-30
PVRS0251 Mount failed, no drives in the robot are empty and online, or the robot is offline 24-30
PVRS0252 Unexpected software failure accessing mutex 24-30
PVRS0253 Controller id entered in configuration does not match actual 3494 controller id 24-30
PVRS0254 AMPEX error attempting to find location 24-30
PVRS0257 No drives are defined in SFS for this PVR 24-30
PVRS0261 Cartridge not readable in drive, will retry in another drive 24-31
PVRS0262 Cartridge not readable in too many drives, mount failed 24-31
PVRS0263 Unexpected I/O failure communicating with 3494

library, device driver may be incorrectly configured 24-31
PVRS0264 The PVR detected a drive that is offline, informing PVL 24-31
PVRS0265 3494 PVR unable to dismount cartridge because it has not been unloaded from the drive 24-31
PVRS0266 This cartridge was not in the drive as expected 24-31
PVRS0267 hpss_InitServer failed, PVR failed to initialize, terminating 24-32
PVRS0268 Unable to read PVL server specific metadata 24-32
PVRS0270 Unexpected 3494 category error 24-32
PVRS0271 3494 drive not unloaded 24-32
PVRS0272 3494 inaccessible cartridge restored 24-32
PVRS0273 3494 library not capable - manual mode 24-32
PVRS0274 3494 library manager program exception 24-32
PVRS0275 PVR unable to connect to SSM 24-33
PVRS0276 PVR reestablished connection to SSM 24-33
PVRS0277 PVR unable to connect to PVL 24-33
PVRS0278 PVR reestablished connection to PVL 24-33
PVRS0279 PVR request timed out, no response from robot 24-33
PVRS0280 PVR waiting for mount status change before continuing 24-33
PVRS0281 Drive already in job, remove from mount drive list. 24-34
PVRS0282 3494 request TIMED-OUT, status unknown 24-34
PVRS0283 Cleaning Cart. in drive, will suspend/retry 24-34
PVRS0284 Fatal initialization error: 24-34
PVRS0285 ioctl to lmcpd process hanging -- Check lmcpd process 24-34
PVRS0286 acs_response: Bad response type returned 24-34
PVRS0287 Dismount Failed: Setting Drive Locked via PVL 24-35
PVRS0288 AML RPC failure 24-35
PVRS0289 AML aci parameter invalid 24-35
PVRS0290 AML volume not found of this type 24-35
PVRS0291 AML drive is not in ATL 24-35
PVRS0293 AML robot has a physical problem with the volume 24-36
PVRS0294 AML internal error in the AMU 24-36
PVRS0295 AML DAS was unable to communicate with the robot 24-36
PVRS0296 AML robotic system is not functioning 24-36
PVRS0297 AML AMU was unable to communicate with the robot 24-37
PVRS0298 AML DAS was not active 24-37
PVRS0299 AML drive did not contain an unloaded volume 24-37
PVRS0300 AML invalid registration 24-37
PVRS0301 AML invalid host name or ip address 24-37
PVRS0302 AML area name does not exist 24-38
PVRS0303 AML client is not authorized to make this request 24-38
PVRS0304 AML dynamic area became full, insertion stopped 24-38
PVRS0305 AML drive is currently available to another client 24-38
PVRS0306 AML client does not exist 24-38
PVRS0307 AML dynamic area does not exist 24-39
PVRS0308 AML no request exists with this number 24-39
PVRS0309 AML retry attempts exceeded 24-39
PVRS0310 AML requested volser is not mounted 24-39
PVRS0311 AML requested volser is in use 24-39
PVRS0312 AML no space available to add range 24-39
PVRS0313 AML range or object was not found 24-40
PVRS0314 AML request was cancelled by aci_cancel() 24-40
PVRS0315 AML internal DAS error 24-40
PVRS0316 AML internal ACI error 24-40
PVRS0317 AML for a query more data are available 24-40
PVRS0318 AML things don't match together 24-40
PVRS0319 AML volser is still in another pool 24-41
PVRS0320 AML drive in cleaning 24-41
PVRS0321 AML The aci request timed out 24-41
PVRS0322 AML the robot has a problem with handling the device 24-41
PVRS0323 AML Internal Errors 24-41
PVRS0346 Failed to initialize check in queue 24-41
PVRS0347 Cartridge has not been checked in 24-42
PVRS0348 Checking out cartridge, need be unloaded 24-42
PVRS0349 3494 Library is NOT in Auto Mode 24-42
PVRS0350 Mount Request Timed Out 24-42
PVRS0351 Dismount Request Timed Out 24-42
PVRS0352 Eject Request Timed Out 24-42
PVRS092 AML requested drive is use 24-36

S

SSMD0001 <request_type> request failed for <num> servers 25-1
SSMD0002 Number of command line arguments is incorrect 25-1
SSMD0003 This is a partial device/drive configuration which should be deleted 25-1
SSMD0004 Device/drive is missing its PVL drive configuration data 25-1
SSMD0005 Alarm file unspecified or inaccessible; alarms will be buffered in memory 25-2
SSMD0006 INFO notification packet with unknown type <type> was discarded 25-2
SSMD0007 Device/drive is missing its Mover device configuration data 25-2
SSMD0008 Warning: segments > <num> may use large amounts of metadata storage 25-2
SSMD0009 The SSM System Manager was unable to find a specified device or drive 25-2
SSMD0010 Media type (<hex1>, <hex2>) is not recognized 25-3
SSMD0011 Mount request of type <type> was not recognized 25-3
SSMD0012 SSM Data Server has not found the SSM System Manager yet 25-3
SSMD0013 Bad class <class> detected in notification union structure 25-3
SSMD0014 Preferences successfully reloaded 25-3
SSMD0015 Bad OpState <state> in Mover device MO returned from server '<server_name>' 25-4
SSMD0016 Bad OpState <state> in PVL Drive MO returned from server '<server_name>' 25-4
SSMD0017 Preferences successfully saved 25-4
SSMD0018 Unix file error: <message> 25-4
SSMD0019 Bad OpState <state> in server MO returned from server '<server_name>' 25-4
SSMD0020 Unexpected fatal error from "<function>"; errno was <num> 25-5
SSMD0021 SSM/Sammi login failed; password was not

correct 25-5
SSMD0022 The specified physical volume is not allocated to any Storage Server 25-5
SSMD0023 SSM System Manager rejected request; invalid SrvInfoUnion_t class 25-5
SSMD0024 Invalid Sammi console id <console> activated; will be ignored 25-5
SSMD0025 Selection list type <type> is not known 25-6
SSMD0026 Object HPSSOID references an unknown server UUID 25-6
SSMD0027 Bad class <class> detected in server info union structure 25-6
SSMD0028 Incorrect number of tokens in string beginning '<string>' 25-6
SSMD0029 SSM/Sammi login failed; invalid DCE principal name 25-6
SSMD0030 UUID input is invalid; please try again 25-6
SSMD0031 Bad work queue item code <code> detected; item discarded 25-7
SSMD0032 Can't get Server Config for '<server_name>' 25-7
SSMD0033 Can't get Server Info for '<server_name>' 25-7
SSMD0034 Please fill in or correct required fields; see window help 25-7
SSMD0035 The high part of the fileset ID must be greater than 2147483648 25-7
SSMD0036 The selected alarm/event has been overwritten by a newer one 25-8
SSMD0037 Warning: this setting may lead to significant waste of disk space 25-8
SSMD0038 Create SS Resources successfully created <num1> PVs in <num2> VVs 25-8
SSMD0039 Delete SS Resources successfully deleted <num> PVs 25-8
SSMD0040 SSM System Manager rejected request; invalid object for server type 25-8
SSMD0041 Bad log message: rectype <num1>, msgtype <num2>, severity <num3> 25-9
SSMD0042 DFD '<dfd_name>' not found in format '<format_name>' 25-9
SSMD0043 Dot-decimal input is invalid or too long; see window help 25-9
SSMD0044 Port Range Start/End values are invalid; see window help 25-9
SSMD0045 Server List is out of sync; please try again 25-9
SSMD0046 Stale format '<format_name>' on console <console> was deleted 25-10
SSMD0047 The SSM Data Server has lost its connection to the System Manager 25-10
SSMD0048 Export Volumes successfully exported <num> volumes 25-10
SSMD0049 Format '<format_name>' not found on console <console> as expected 25-10
SSMD0050 A Sammi reply event reported errors for <num> DFDs 25-10
SSMD0051 A request for Sammi reply errors failed 25-11
SSMD0052 DFD '<dfd_name>' in format '<format_name>' had reply error <num> 25-11
SSMD0053 SSM Data Server does not recognize your Sammi console ID 25-11
SSMD0054 Invalid accounting style or missing accounting policy 25-11
SSMD0055 Import Volumes successfully imported <num> volumes 25-11
SSMD0056 Please pick another Sort column first 25-12
SSMD0057 Invalid argument passed to function 25-12
SSMD0058 User Data input is invalid or too long; see window help 25-12
SSMD0059 CDS name for SSM does not match environment variable HPSS_CDS_SSMSM 25-12
SSMD0060 List notification of unknown list class <num> was discarded 25-12
SSMD0061 An unexpected SSM configuration was found--please repair 25-13
SSMD0062 Incoming <list_type> list contains some invalid data 25-13
SSMD0063 Incoming <list_type> list incomplete due to metadata errors 25-13
SSMD0064 SSM config for '<server_name>' not found, but new default created 25-13
SSMD0065 Cartridge or volume name input is invalid; please try again 25-13
SSMD0066 SSM config for '<server_name>' not found--please create 25-14
SSMD0067 Incoming <list_type> list has regained VALID status 25-14
SSMD0068 Logging initialization failed with status <hexnum> 25-14
SSMD0073 Sammi console ID number <console> has connected to SSM 25-14
SSMD0074 <reqtype> request was ignored for <num> ineligible server(s) 25-14
SSMD0075 SSM/Sammi login failed; DCE Security Service was not certified 25-15
SSMD0076 You must leave at least one item selected 25-15
SSMD0077 Device/drive List is out of sync; please try again 25-15
SSMD0078 No DFDs (or all NULL DFDs) found where at least one expected 25-15
SSMD0079 Warning: seconds between tape marks is outside of optimal range<num1>-<num2> 25-15
SSMD0080 No server of type <server_type> could be found to handle your request 25-16
SSMD0081 Unexpected null pointer encountered 25-16
SSMD0084 Sammi output failure (count <num>) on console <console>; user '<username>' 25-16
SSMD0087 A Sammi reply event reported a communications error 25-16
SSMD0091 DCE Security Server call failed: <message_text> 25-16
SSMD0092 Multiple servers of type <server_type> were found when only one was expected 25-17
SSMD0093 SSM Data Server process is shutting down 25-17
SSMD0094 Sammi console <console> has been disabled due to excessive ping failures 25-17
SSMD0097 Signal thread detected a termination signal 25-17
SSMD0101 Select list line length of <num1> is too long for DFD size <num2> 25-17
SSMD0102 Too many select list entries for output DFD 25-17
SSMD0103 Data change notification received for bad server ID <num> 25-18
SSMD0104 Entered field was adjusted to nearest valid value 25-18
SSMD0105 SSM Data Server process has been initialized 25-18
SSMD0106 Insufficient resources to create a new thread 25-18
SSMD0107 Select a Storage Class first 25-18
SSMD0108 Unexpected CHG_DFD event reported for DFD

'<dfd_name>' in format '<format_name>' 25-18
SSMD0109 Unexpected Sammi event of type <event_type> was received 25-19
SSMD0110 Unknown command string '<command>' detected from format '<format_name>' 25-19
SSMD0111 Sammi event received from unknown console ID number <console> 25-19
SSMD0112 Unknown DFD '<dfd_name>' in format '<format_name>'; readkey: '<readkey>', writekey: '<writekey>' 25-19
SSMD0113 Unknown format '<format_name>' detected 25-19
SSMD0115 Permission to access a required file was denied 25-20
SSMD0117 That configuration already exists; Update or Delete instead of Add 25-20
SSMD0118 Server '<server_name>' is already running 25-20
SSMD0119 Do basic MPS and NS and SS configs before a BFS-specific one 25-20
SSMD0120 Error freeing old binding handle to SSM System Manager 25-20
SSMD0121 SSM Data Server has completed DCE bind to System Manager 25-21
SSMD0123 SSM System Manager was unable to locate a PVR controlling that cartridge 25-21
SSMD0124 Config operation succeeded, but DCE/CDS directory creation failed 25-21
SSMD0125 Config succeeded, but internal update in SSM System Manager failed 25-21
SSMD0126 Request rejected; Data Server is not registered with System Manager 25-21
SSMD0127 SSM System Manager could not communicate with target server 25-22
SSMD0128 The message delog process failed to complete successfully 25-22
SSMD0129 Can't delete this device or drive without its partner 25-22
SSMD0130 Target server rejected request; invalid argument passed 25-22
SSMD0131 Request failed; target server reported a resource allocation failure 25-22
SSMD0133 Request rejected; Data Server's client ID is invalid 25-23
SSMD0134 SSM System Manager rejected request; invalid argument(s) passed 25-23
SSMD0135 Config failed; requested operation not valid for configuration type 25-23
SSMD0136 Request failed; requested operation not valid for managed object 25-23
SSMD0137 An unspecified Metadata Manager failure occurred 25-23
SSMD0138 Do basic BFS and SS configs before a MPS-specific one 25-24
SSMD0139 SSM System Manager could not find the record in a configuration file 25-24
SSMD0140 CheckIn with SSM System Manager failed; no room in client table 25-24
SSMD0148 Can't find the SS which owns that physical volume 25-24
SSMD0149 Request failed; no startup daemon is configured for the target host 25-24
SSMD0150 Config failed; SSM System Manager could not find config file 25-25
SSMD0151 Do basic BFS config before a NS-specific one 25-25
SSMD0152 A request to open a required file was unsuccessful 25-25
SSMD0154 Resource Delete failed; resource is busy 25-25
SSMD0155 Unexpected RPC error: <DCE error text> 25-25
SSMD0156 Shutdown request for server '<server_name>' failed 25-26
SSMD0157 Request returned HPSS status <error_code> 25-26
SSMD0158 SSM System Manager reported an unspecified internal error 25-26
SSMD0159 General resource or synchronization failure in SSM System Manager 25-26
SSMD0160 Request failed for <num> servers 25-26
SSMD0161 Server must be down before changing its configuration data 25-27
SSMD0162 SSM System Manager does not recognize that server 25-27
SSMD0163 SSM configuration must be created before any others 25-27
SSMD0164 Do basic BFS and PVL configs before a SS-specific one 25-27
SSMD0165 Verification of newly-created SS volume(s) failed 25-27
SSMD0166 Startup request for server '<server_name>' failed 25-28
SSMD0167 Server startup failed; server is not configured as executable 25-28
SSMD0168 An Encina database transaction was aborted 25-28
SSMD0169 Bad input descriptor for object copy; class = <num>, pointer = <address> 25-28
SSMD0170 Bad output descriptor for object copy; class = <num>, pointer = <address> 25-28
SSMD0171 Class mismatch for object copy; input = <num1>, output = <num2> 25-28
SSMD0172 Cartridge '<cart_name>' has been successfully moved 25-29
SSMD0173 Move request for cartridge '<cart_name>' failed 25-29
SSMD0174 Sammi returned a null DFD pointer for DFD descriptor <num> 25-29
SSMD0175 Unexpected data in '<field_name>' field of '<struct_name>' structure 25-29
SSMD0176 Request to check in with SSM System Manager failed 25-29
SSMD0180 You can't add any more cartridges or volumes; the list is full 25-30
SSMD0181 SSM System Manager server index changed from <num1> to <num2> 25-30
SSMD0182 Fill did not complete; name format overflowed 25-30
SSMD0183 Please complete the 'Initialization Fields' first 25-30
SSMD0184 PV-VV table is being reinitialized 25-30
SSMD0185 Please complete the PV-VV table first 25-31
SSMD0187 Request to send a command to the Sammi runtime failed 25-31
SSMD0188 Error detaching a thread 25-31
SSMD0191 Write length mismatch; DFD length = <num1>, write length = <num2> 25-31
SSMD0192 Create SS Resources failed after creating <num1> PVs and <num2> VVs 25-31
SSMD0193 Delete SS Resources failed after deleting <num>

PVs 25-32
SSMD0194 Export Volumes failed after exporting <num> volumes 25-32
SSMD0195 Import Volumes failed after importing <num> volumes 25-32
SSMD0196 No target for DCN: server = <server_id>, bitmap = <bitmap>, class = <num> 25-32
SSMD0198 Error closing connection to System Manager 25-32
SSMD0199 Error opening connection to System Manager 25-33
SSMD0201 The target server does not support the requested operation 25-33
SSMD0202 SSM Data Server has completed HPSS connection to System Manager 25-33
SSMD0204 Do a basic PVL config before a PVR-specific one 25-33
SSMD0205 Repack on storage class '<sclass_name>' completed successfully 25-33
SSMD0206 Repack on storage class '<sclass_name>' failed 25-33
SSMD0207 Reclaim on storage class '<sclass_name>' completed successfully 25-34
SSMD0208 Reclaim on storage class '<sclass_name>' failed 25-34
SSMD0209 Invalid character in number input; please try again 25-34
SSMD0210 Number input is too big; using maximum possible value 25-34
SSMD0211 Invalid bytecount label in number input; please try again 25-34
SSMD0213 <request_type> request failed for <num> devices or drives 25-34
SSMD0216 Please pick a new server type before doing anything else 25-35
SSMD0217 A logging policy exists for '<server>'; please delete it first 25-35
SSMD0219 Tape Check-In request of type %d was not recognized 25-35
SSMS0001 Entering function %s 26-1
SSMS0003 Issuing delog command: %s 26-1
SSMS0004 Searching table of registered mobject attribs; server %d MO %d 26-2
SSMS0005 Server %d type %d name %s uuid %s 26-2
SSMS0006 HPSS or SSM error number: %d 26-2
SSMS0007 DCE error message: %s 26-2
SSMS0008 Encina error message: %s 26-2
SSMS0009 Metadata Manager error message: %s 26-3
SSMS0010 HPSS SSM System Manager initializing 26-3
SSMS0011 Starting all HPSS servers 26-3
SSMS0012 Startup of server %s initiated 26-3
SSMS0013 Startup of server %s failed 26-3
SSMS0014 HPSS SSM System Manager initialization complete 26-4
SSMS0015 HPSS SSM System Manager initialization failed 26-4
SSMS0016 Shutting down all HPSS servers 26-4
SSMS0017 Shutdown of server %s initiated 26-4
SSMS0018 Shutdown of server %s failed 26-4
SSMS0019 Reinitializing all HPSS servers 26-5
SSMS0020 Reinitialization of server %s complete 26-5
SSMS0021 Reinitialization of server %s failed 26-5
SSMS0022 Network communications established with %s 26-5
SSMS0023 Cannot establish network communications with %s 26-5
SSMS0024 Exiting cleanup, calling thread %d hpss_status %d rpc_status_total %d 26-6
SSMS0026 sigwait() failed 26-6
SSMS0027 Checking in client %d %s 26-6
SSMS0028 Checking out client %d %s by client request 26-6
SSMS0029 No more client slots available 26-6
SSMS0031 No more device/drive slots available 26-7
SSMS0032 Cannot reach client %d %s: %d failures in last %d minutes %d seconds 26-7
SSMS0033 Cannot find startup daemon for host %s 26-7
SSMS0035 Invalid configuration file type %d 26-7
SSMS0036 Invalid managed object type %d 26-8
SSMS0037 Invalid object id 26-8
SSMS0038 Invalid operation type 0x%x 26-8
SSMS0039 Invalid operation 0x%x for config file type %d 26-8
SSMS0040 Invalid server id %d 26-8
SSMS0042 Invalid server type %d 26-8
SSMS0043 Invalid uuid %s 26-9
SSMS0044 Null pointer where data required from caller 26-9
SSMS0045 Access was denied for the specified operation 0x%x 26-9
SSMS0046 Cannot open file %s 26-9
SSMS0049 Object ID type is incorrect for object type 26-10
SSMS0050 Bad entry in registered attribute table; object type %d, server %d 26-10
SSMS0061 First entry in Server Config file must be for SSM System Manager 26-10
SSMS0062 MPS, NS, and SS SC entries required before BFS CF creation 26-10
SSMS0065 Cannot register service 26-10
SSMS0066 Cannot listen 26-11
SSMS0069 Cannot init connections for %s 26-11
SSMS0070 Cannot open connection for % 26-11
SSMS0072 Cannot free binding handle for %s 26-11
SSMS0073 Cannot initialize binding handle for %s 26-11
SSMS0074 Cannot get binding handle for %s 26-12
SSMS0076 hpss_InitServer() failed 26-12
SSMS0077 Failure in Metadata Manager call 26-12
SSMS0078 Transaction aborted file %s function %s reason %s 26-12
SSMS0079 Mutex initialization failed 26-12
SSMS0080 Mutex lock failed 26-13
SSMS0081 Mutex unlock failed 26-13
SSMS0083 Cannot create signal handling thread 26-13
SSMS0084 Cannot initialize security 26-13
SSMS0085 Server %s was already running 26-13
SSMS0086 Execute flag not set for server %s 26-13
SSMS0087 Condition variable failure for %s 26-14
SSMS0088 Cannot read server configuration file 26-14
SSMS0089 Entry for %s is not in configuration file %s 26-14
SSMS0091 BFS SC entry required before NS Config File creation 26-14
SSMS0093 PVL SC entry required before SS Config File creation 26-14
SSMS0095 Reinitialization not supported by server %s 26-15
SSMS0096 cdscp message: %s 26-15
SSMS0097 acl_edit message: %s 26-15
SSMS0098 exec() of %s failed 26-15
SSMS0099 Server %s has been notified of repair 26-16
SSMS0100 Notification of repair to server %s failed 26-16

SSMS0101 Notification of repair not supported by server %s 26-16
SSMS0102 No entry for SSM in Server Config File; added default entry 26-16
SSMS0103 Unexpected entry for SSM in Server Config File: %s, %s 26-17
SSMS0104 No entry for SSM in Server Config File; could not add default entry 26-17
SSMS0106 Timed out waiting on condition variable for %s 26-17
SSMS0112 function call %s failed 26-17
SSMS0113 Entering function %s ServerID %d MOClass %d 26-18
SSMS0114 Drive %d devid %d devname %s drvaddr %s mvr %d host %s pvl %d pvr %d 26-18
SSMS0117 Entering function %s ServerID %d CFClass %d 26-18
SSMS0118 Halting all HPSS servers 26-18
SSMS0119 Halt of server %s is complete 26-19
SSMS0120 Halt of server %s failed 26-19
SSMS0122 Bad connection handle for server %s 26-19
SSMS0124 Issuing accounting command: %s 26-19
SSMS0125 Error building drive list 26-19
SSMS0129 Entering sm_process_notification for %s 26-20
SSMS0130 Failure deleting file %s or its subfiles from config file list 26-20
SSMS0134 Checking out client %d %s; %d failures in last %d minutes %d seconds 26-20
SSMS0135 Invalid SrvInfoUnion type %d 26-20
SSMS0137 Entering function %s Server %s 26-21
SSMS0138 Bad connection handle for client %d 26-21
SSMS0139 Access for operation %s denied to client %d 26-21
SSMS0141 repack message: 26-22
SSMS0142 reclaim message: 26-22
SSMS0143 Import of cartridge %s unnecessary; cartridge already exists 26-22
SSMS0144 Import of cartridge %s complete 26-22
SSMS0145 Import of cartridge %s failed 26-22
SSMS0146 Export of cartridge %s complete 26-23
SSMS0147 Export of cartridge %s failed 26-23
SSMS0148 Import thread number %d processing cartridge %s 26-23
SSMS0149 SSM System Manager using descriptive name %s and cds name %s 26-23
SSMS0150 SSM cds name for %s wrong; is %s, should be %s 26-24
SSMS0151 delog message: 26-24
SSMS0152 SSMSM unauthorized to connect to '%s' CDS '%s' 26-24
SSMS0154 EXCEPTION: %s (%d) in %s ($t%d) (%s is the DCE error text for the exception status) (%d is the exception status) (%s is the API name that raised the exception) (%d is the thread id in which the exception was raised) 26-24
SSMS0155 %s called from %s (Client %d/%d) ($t%d) (%s is the name of the function from where the message is issued) (%s is the name of API that was called) (%d/%d is the id of the client calling the API) (%d is the thread id) 26-25
SSMS0156 %s called from %s (Server '%s') ($t%d) (%s is the name of the function from where the message is issued) (%s is the name of API that was called) (%s is the descriptive name of the server htat called the API) (%d is the thread id) 26-25
SSMS0158 %s called from %s (Status=%d) ($t%d) (%s is the name of the function from where the message is issued) (%s is the name of API that was called) (%d is the API return status) (%d is the thread id) 26-25
SSMS0159 Unsolicited notification: Server %d (0x%08x 0x%08x)->(0x%08x 0x%08x) 26-25
SSMS0160 Possibly multiple use of CDS name "%s" 26-26
SSRV0001 TRACE: Entering %s 27-1
SSRV0002 TRACE: Exiting %s 27-1
SSRV0003 TRACE: %s 27-1
SSRV0004 REQUEST: Entering %s 27-1
SSRV0005 REQUEST: Exiting %s 27-2
SSRV0006 Storage Server Initialization Compete 27-2
SSRV0007 Storage map state reset 27-2
SSRV0008 Storage server shutdown: %s 27-2
SSRV0009 TRACE: Data = 0x%x 27-2
SSRV0011 FATAL: hpss_InitServer failed 27-3
SSRV0012 FATAL: hpss_PreRegisterService failed 27-3
SSRV0013 FATAL: libpvl_preInit failed 27-3
SSRV0014 FATAL: hsec_Init failed 27-3
SSRV0015 FATAL: hsec_InitAuthzVector failed 27-3
SSRV0016 FATAL: Missing storage class 27-3
SSRV0017 FATAL: Error initializing: %s 27-4
SSRV0018 FATAL: Cannot open file: %s 27-4
SSRV0019 FATAL: Cannot read general config file 27-4
SSRV0020 FATAL: Cannot read PVL config entry 27-4
SSRV0021 FATAL: Cannot read SSM config entry 27-4
SSRV0022 FATAL: Cannot read specific config file 27-5
SSRV0023 FATAL: Error locking mutex 27-5
SSRV0024 FATAL: Error unlocking mutex 27-5
SSRV0025 FATAL: Error destroying mutex 27-5
SSRV0026 FATAL: Can't register service 27-5
SSRV0027 FATAL: Heap exhausted 27-5
SSRV0028 FATAL: Condition variable error 27-6
SSRV0029 FATAL: Inconsistent PV mount list 27-6
SSRV0030 FATAL: Invalid server type or subtype 27-6
SSRV0031 FATAL: Sink list inconsistent 27-6
SSRV0032 FATAL: Source list inconsistent 27-6
SSRV0033 FATAL: Session list inconsistent 27-6
SSRV0034 FATAL: Pthread create error 27-7
SSRV0035 FATAL: Pthread join error 27-7
SSRV0036 FATAL: Pthread detach error 27-7
SSRV0037 FATAL: IOD inconsistent 27-7
SSRV0038 FATAL: Sanity check failure: %s 27-7
SSRV0039 FATAL: Address type check failed 27-7
SSRV0040 FATAL: Pthread cond timed wait failure 27-8
SSRV0041 FATAL: Inconsistent VV IO list 27-8
SSRV0042 FATAL: Section address alignment error 27-8
SSRV0043 FATAL: Error returned by ss_PVGetAttrs 27-8
SSRV0044 FATAL: Cannot create binding handle copy 27-8
SSRV0045 FATAL: Error returned by ServerListen: %s 27-8
SSRV0046 FATAL: Exception caught 27-9
SSRV0047 FATAL: %s failed 27-9
SSRV0048: Volume %s has been taker off-line 27-9
SSRV0049: Volume % has been put on-line 27-9
SSRV0050 Cannot open file: %s 27-9
SSRV0051 Error in metadata: %s 27-10
SSRV0053 Error setting up transaction callback 27-10
SSRV0054 Error returned by %s 27-10
SSRV0055 Could not connect to PVL 27-10
SSRV0056 Could not find PVL interface 27-10
SSRV0057 Could not connect to SSM 27-11
SSRV0058 Could not find SSM interface 27-11

SSRV0059 Error reading map metadata 27-11
SSRV0060 Error reading segment metadata 27-11
SSRV0061 Error reading VV metadata 27-12
SSRV0062 Error reading PV metadata 27-12
SSRV0063 Error reading config metadata 27-12
SSRV0064 Error writing map metadata 27-12
SSRV0065 Error writing segment metadata 27-13
SSRV0066 Error writing VV metadata 27-13
SSRV0067 Error writing PV metadata 27-13
SSRV0068 Error writing config metadata 27-13
SSRV0069 Error creating map metadata record 27-14
SSRV0070 Error creating segment metadata record 27-14
SSRV0071 Error creating VV metadata record 27-14
SSRV0072 Error creating PV metadata record 27-14
SSRV0073 Error deleting map metadata record 27-15
SSRV0074 Error deleting segment metadata record 27-15
SSRV0075 Error deleting VV metadata record 27-15
SSRV0076 Error deleting PV metadata record 27-15
SSRV0077 Segment/session conflict 27-15
SSRV0078 Session/session conflict 27-16
SSRV0079 Error creating thread 27-16
SSRV0080 Error entering connection 27-16
SSRV0081 No match trying to delete owner 27-16
SSRV0082 Reference count error 27-16
SSRV0083 Invalid argument: %s 27-16
SSRV0084 Duplicate entry error detected during create 27-17
SSRV0085 Entry not found—no such key 27-17
SSRV0086 Invalid address type 27-17
SSRV0087 Invalid stripe parameters 27-17
SSRV0088 RPC failed 27-17
SSRV0089 Segment state changed blocked 27-18
SSRV0090 Segment not extendable 27-18
SSRV0091 Segment state not changeable 27-18
SSRV0092 VV elements inconsistent: %s 27-18
SSRV0093 Error initializing: %s 27-18
SSRV0094 Error creating SOID or UUID 27-18
SSRV0095 No space remaining, storage class %d 27-19
SSRV0096 Resource in use 27-19
SSRV0097 Volume is mounted 27-19
SSRV0098 Volume not mounted 27-19
SSRV0099 Positioning error: %s 27-19
SSRV0100 Media addressing error: %s 27-19
SSRV0101 Volume state incorrect for function 27-20
SSRV0102 Could not get host name 27-20
SSRV0103 Resource not available 27-20
SSRV0104 Transaction aborted, %s 27-20
SSRV0105 Error in IOD/IOR: %s 27-20
SSRV0106 Too many segments in IOD 27-21
SSRV0107 Cannot close file: %s 27-21
SSRV0108 Could not find entry in cache 27-21
SSRV0109 Error initializing storage map 27-21
SSRV0110 Error creating/connecting socket 27-21
SSRV0111 Object is already owned 27-21
SSRV0112 Too many owners 27-22
SSRV0113 Length error 27-22
SSRV0114 Field would have underflowed: %s 27-22
SSRV0115 IOR replies not consistent 27-22
SSRV0116 Time out error: %s 27-22
SSRV0117 Invalid OFD error 27-22
SSRV0118 I/O Error: %s 27-23
SSRV0119 Object attribute change not supported 27-23
SSRV0120 Could not mount volume: %s 27-23
SSRV0121 Inconsistent state: %s 27-23
SSRV0122 Error reading storage class metadata record 27-23
SSRV0123 TX_CLOSE failed 27-24
SSRV0124 SFS Communication error 27-24
SSRV0125 Sanity check failure: %s 27-24
SSRV0126 PVL dismount failed on %s 27-24
SSRV0127 Can’t switch VVs when mounted in distributed mount 27-24
SSRV0128 VV in wrong state to dismount 27-25
SSRV0129 Received signal: %d 27-25
SUDD0015 Server is already running 28-1
SUDD0016 Startup Daemon isn't monitoring this server 28-1
SUDD0017 Startup Daemon's server table is full 28-1
SUDD0018 Cannot start server; setuid or getuid failed 28-2
SUDD0019 Cannot start server; no such UNIX user <name> 28-2
SUDD0020 Server <server> died on host <host>, pid=<pid>, status= <status> 28-2
SUDD0021 Startup Daemon internal problem: sigwait = <value> 28-2
SUDD0022 Unexpected server died, pid=<pid> 28-2
SUDD0023 Exec() failed. Status = <status> 28-3
SUDD0024 Starting server <server> on host <host> 28-3
SUDD0025 Cannot start server; cannot find executable named <execname> 28-3
SUDD0027 Problem locking or unlocking mutex 28-3
SUDD0028 Fork failed 28-4
SUDD0029 Startup Daemon is up and running 28-4
SUDD0030 There are <n> copies of server <servername> running already 28-4
SUDD0031 Too many servers, not enough locks 28-4
SUDD0032 Format error in lockfile 28-4
SUDD0033 Cannot open lockfile: <reason> 28-5
SUDD0034 There are <n> copies of server running; only one will be killed 28-5
SUDD0035 Sending kill <signum> to server <servername> on host <hostname> 28-5
SUDD0036 Descriptive name in lock file does not match file's name 28-5